AI CHRONICLE

Samrat Ashok Technological Institute

A grant-in-aid Autonomous Engineering College Estd. in 1960 Approved from AICTE and affiliated to RGPV & Barkatullah University, Bhopal
NBA Accredited (B.Tech. Civil, Mech., E&I, CSE) and NAAC Accredited

Estd. in 1960

योगः कर्मसु कौशलम्

NEWS LETTER

DEPARTMENT OF ARTIFICIAL INTELLIGENCE

(JULY - DEC 2025)

/satiengg.in

Message From Director

Dear all,

In our college, we and our faculty always think we need to teach beyond curriculum to make our students 'Industry Ready' .

Recent observations made by many stalwarts in the industry indicate the fact that most Engineering Graduates out of colleges are not employable. Samrat Ashok Technological Institute has always been in the forefront in ensuring that students are employable.

It gives me immense pleasure to write a few words as prologue to the inhouse First Volume 2025 E-Newsletter of the AI Department. The issue is designed to present the events that have occurred in the department makes this Newsletter resourceful and informative.

I appreciate the HOD, Faculty & Staff for accompanying the students and I very much admire the initiatives and talents of our students. Keep up the good work. I congratulate all the contributors and the editorial board for bringing out such a nice issue

Dr. Yogendra Kumar Jain
Director

Message From Head Of Department

Dear Students, Faculty Members, and Esteemed Readers,

It gives me great pleasure to present this edition of the Artificial Intelligence Department Newsletter of Samrat Ashok Technological Institute. Our institute remains committed to fostering innovation, knowledge, and excellence in the field of Artificial Intelligence.

This newsletter highlights our achievements and serves as an inspiration for continuous learning and growth. Let us continue to embrace challenges with determination and strive for excellence in all our endeavours.

I am confident that the AI Department will continue to reach new heights and make meaningful contributions to society.

Dr. Sunil Joshi
Head, Department of Artificial Intelligence

TABLE of CONTENTS

TABLE of CONTENTS

Students Achievements

Academic

Batch 2020 - 24

ISHIKA KARMA
CGPA - 8.83

SHIVANK GUPTA
CGPA - 8.72

AMAN YADAV
CGPA - 8.65

Batch 2021 - 25

MANDVI DANGI
CGPA - 8.96

SRIJAN K MAHESHWARI
CGPA - 8.83

LAXMI FARKASE
CGPA - 8.35

Batch 2022 - 26

OSHANK AGRAWAL
CGPA - 8.44

CHARU SHARMA
CGPA - 8.33

ARYAN LAKSHAKAR
CGPA - 8.31

Batch 2023 - 27

ASHVIN SUKAYE
CGPA - 8.30

AKASH TETE
CGPA - 8.25

PRIYA SANDHYA
CGPA - 8.21

Rising Achievers

Batch 2024

Shivank Gupta
GATE Score - 687 AIR - 1064
M. Tech. IIT Patna

Batch 2025

Satendra Singh
M. Tech. IIT Jodhpur

Batch 2025

Mandvi Dangi
GATE Score - 424
AIR - 4172

Batch 2025

Laxmi Farkase
Winner at Startup Factory
GES'23 IIT KHARAGPUR

Batch 2025

Naman Namdev
Winner at Startup Factory
GES'23 IIT KHARAGPUR

Batch 2025

Teesha Bhagat
Winner at Startup Factory
GES'23 IIT KHARAGPUR

Batch 2025

Ayushi Kurel

Winner at Startup Factory GES'23 IIT KHARAGPUR

Batch 2025

Mandvi Dangi

ITUWTSA
New Delhi- 2024

AIADS Final Year

Sakshi tiwari

ITUWTSA
New Delhi- 2024

AIADS Final year

Shivansh Chouhan

Internship for RAHVEER VIDISHA Project, Under Superintendent of Police

AIADS Final year

Suyash Pawar

Completed 4 week internship at Master Control Facility (MCF), ISRO, Bhopal

AIADS Final year

Urvashi Singh

Completed 4 week internship at Master Control Facility (MCF), ISRO, Bhopal

AIADS Final Year

Satish Prajapati

Completed 10 week AIML Internship at EduSkill's and supported by Google for Developers

AIADS Final year

Priyanshu Dubey

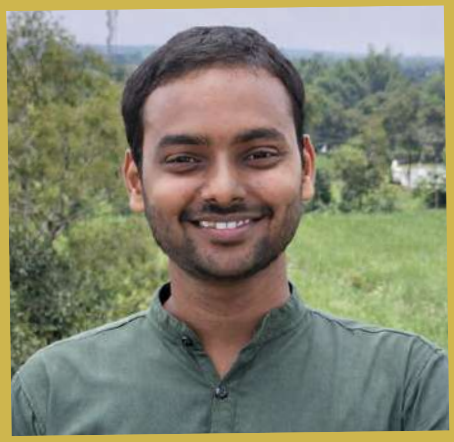
Completed AI ML Internship at Edunet Foundation Association with AICTE

AIADS Final year

Aryan Lakshakar

Completed 12 week Internship as Reporting Analyst at MANANSH Infotech Pvt. Ltd.

AIADS Final year



Oshank Agrawal

Completed 4 week Internship 'AI: Transformative Learning with TechSaksham'

AIADS 3rd year

Anchal Patel

International trip to Kenya by Wikipedia

AIADS 3rd year

Anshika jain

Runner-up at IIT Indore in Analytica X Hackathon

Sports

AIADS Final year

Tamanna Darwai

Consecutive Selection for West Zone Inter-University Badminton Tournament

AIADS Final year

Dheeraj More

Madhav Rao Scindia Circket Tournament Winner 2024

AIADS Final year

Madhavi

RGPV Nodal level Basketball Runner-up 2024 - 25

National Cadet Corps

AIADS 3rd year

LCPL Rishi Tyagi

All India Thal Sanik Camp

AIADS 3rd year

SGT Om Soni

All India Thal Sanik Camp

AIADS 3rd year

CDT Sachin Verma

All India Thal Sanik Camp

EXTRA Curricular

Batch 2025

Vikash Dangi

Advaita Vedanta
Camp Uttarkashi 2025

AIADS Final Year

Tamanna Darwai

Member of SRC
Committee
Head Girl, SU - 2025

AIADS 3rd year

Arjun sarje

Secure Position in Top 2%
in NPTEL

AIADS Final Year

Oshank Agrawal

Elite Performer in NPTEL

AIADS Final year

Harshraj Ray

First Prize in
Pictorial Writting
SU - 24

AIADS 3rd year

Aishwary Bhargava

Selected for State level
Viksit Bharat Young
Leader Dialogue 2026

Cummins Scholarship

year 2023 -24

Harshraj Ray

Shreenath Dangi

Kirti Deshmukh

Nidhi Hingwe

Pragya Sirse

Leena Lokhande

Payal Patle

year 2024 -25

Roshni Rajani

Om Soni

Suraj Gupta

Shivangi Tiwari

Anvesha Jain

Faculty Achievement

- Contributed to the IEEE International Conference (MPCON 2025).
- Successfully published a research paper in the Journal of East-West Thought on "Improving the Accuracy of Fake News Detection using LSTM Deep Learning Techniques."
- Successfully completed the NPTEL Course on "Teaching and Learning in General Programs (TALG)."

Dr. Sunil Joshi

- Awarded Ph.D. degree at the Convocation Ceremony held at Malaviya National Institute of Technology (MNIT) on 11 October 2025.
- Research Topic: Enhancing Low-Resource Language Translation: Sanskrit-Hindi Machine Translation Using Graph Neural Networks and Syntactic Tree Sequential Memory.

- Served as a Resource Person in the Faculty Development Program conducted under AICTE IDEA Lab on "Role of AI in Civil Engineering for Sustainable Development" from 22-27 December 2025.

Dr. Rashi Kumar

- Awarded Ph.D. in Computer Science and Engineering from Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal.
- Research focused on "Density-Wise Mammogram Classification Using Efficient Features and Deep Learning Algorithm".

Dr. Shaila Chugh

- Awarded Ph.D. in Electronics and Communication Engineering from Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal.
- Research focused on "Analysis of Hybrid Technologies to enhance the performance of Non-Orthogonal Multiple Access based 5G networks".

Dr. Smriti Dubey

NPTEL Certifications & Achievements

- Certificate of Appreciation - NPTEL
- Practical Cyber Security for Cyber Security Practitioners - Gold
- Python for Data Science - Silver
- Research Methodology - Silver
- Cyber Security and Privacy (Successfully Completed)

Prof. Apoorva Yadav

RESEARCH PAPERS

[1.] J. P. Maurya, M. Manoria and S. Joshi, "A proposed deep learning model for multichannel ecg noise reduction," Discover Artificial Intelligence, vol. 5, no. 1, p. 65, 2025.

Abstract: Heart disease is a major healthcare concern, and electrocardiograms (ECGs) are effective noninvasive tools for detecting abnormalities such as arrhythmia. However, manual interpretation of ECG patterns is difficult, and noise contamination can lead to diagnostic errors, making accurate denoising essential. This study proposes a deep learning-based multichannel ECG noise reduction method using a fully convolutional neural network (FCN) with Jacobian regularization to preserve local information. A cascaded encoder–decoder architecture performs denoising and reconstruction. Using the PhysioNet Noise Stress Test Database (NSTDB), the proposed FCN-DAE model achieved SSD of 4.763×10^{-2} mV^2, median absolute deviation of 0.288 mV, RMSE of 1.859, and removed up to 97.02% noise.

[2.] M. Shakya, R. Patel and S. Joshi, "A comprehensive analysis of deep learning and transfer learning techniques for skin cancer classification," Scientific reports, vol. 15, no. 1, p. 4633, 2025.

Abstract: Accurate and early diagnosis of melanoma is challenging due to the varying shapes and characteristics of skin lesions. This study evaluates deep learning-based methods to classify dermoscopic images into benign and malignant categories. Three approaches are examined: (1) fine-tuning pre-trained models VGG19, ResNet18, and MobileNetV2 as classifiers; (2) using these networks as feature extractors combined with machine learning classifiers such as SVM, Decision Tree, Naïve Bayes, and KNN; and (3) combining extracted features from multiple networks with the same classifiers. Images are preprocessed through scaling, denoising, and enhancement, followed by segmentation using the active contour method. Experiments on the ISIC 2018 dataset (3300 images) show the highest accuracy of 92.87% using concatenated ResNet18 and MobileNet features with SVM.

Departmental Activities

Bureau of Indian Standards (BIS)

Industry Exposure Visit on Industry 4.0 Sponsored by Bureau of Indian Standards (BIS) Bhopal

An Industry Exposure Visit was organized for students of Samrat Ashok Technological Institute (SATI), Vidisha with the support of the Bureau of Indian Standards (BIS), Bhopal. The visit was conducted to provide practical understanding of Industry 4.0 technologies and the role of standards in modern industries.

Students from the Departments of Computer Science & Engineering and Artificial Intelligence participated in the visit. During the program, students visited Welspun Corporation Limited, where they observed modern manufacturing processes, automation systems and industrial quality standards.
The visit focused on Industry 4.0 concepts such as Artificial Intelligence, Internet of Things (IoT), real-time monitoring and data-driven production systems. Students also learned how BIS standards ensure quality, safety and efficiency in industrial operations.

Departmental Activities

As part of the initiative, SATI signed an MoU with BIS Bhopal and started the BIS Student Club to promote awareness of standardization among students.
The visit provided valuable industrial exposure and helped students understand the practical application of modern technology in manufacturing and engineering industries.

Departmental Activities

BIS Technical Quiz Competition 2025

The Bureau of Indian Standards (BIS) Technical Quiz Competition was successfully conducted for students under the guidance of the BIS Mentor. The competition was organized jointly by the Departments of Computer Science & Engineering and Artificial Intelligence, following the prescribed guidelines of the BIS Bhopal Branch Office.

Dr. Kanak Saxena, Head of the Department of CSE, encouraged students to actively engage in understanding national standards and emphasized the importance of quality assurance and strengthen their industry-oriented knowledge. Dr. Sunil Joshi, Head of the Department of Artificial Intelligence, highlighted the growing relevance of BIS standards in modern engineering and technological innovation.

The event was coordinated by Dr. Rashi Kumar, Assistant Professor, AI Department, who ensured the smooth conduct of the competition. The quiz aimed to enhance students' awareness of standardization practices and strengthen their industry-oriented knowledge.

National Conference (NCACSIT 2025)

NCACSIT 2025 - Advanced Computer Science and Information Technology

25 - 26 September 2025 | SATI, Vidisha

Samrat Ashok Technological Institute (SATI), Vidisha, successfully organized the National Conference on Advanced Computer Science and Information Technology (NCACSIT 2025) on 25-26 September 2025 in hybrid mode (offline and online). The conference was conducted in association with MPCST, Bhopal, with the aim of fostering research, innovation and academic collaboration in emerging areas of computing, AI and information technology.

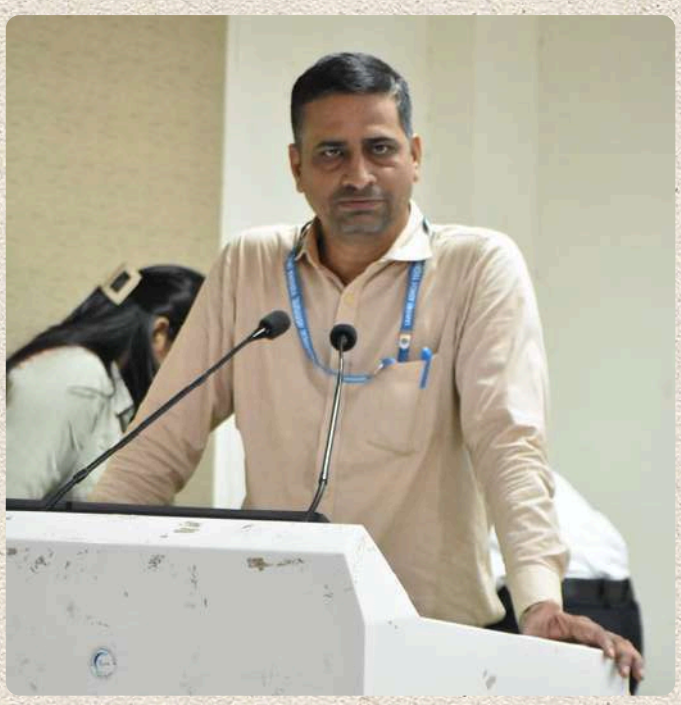
The two-day National Conference on Advanced Computer Science and Information Technology (NCACSIT 2025) commenced with a formal inaugural ceremony at SATI, Vidisha.

Distinguished dignitaries, faculty members and researchers from various institutions attended the session. Dr. Sunil Joshi welcomed the gathering and provided an overview of the conference. The event marked the beginning of two days of academic exchange, research discussions and technical presentations aimed at strengthening innovation and research culture.

The first day featured multiple parallel technical sessions conducted across four tracks. Around 30 shortlisted research papers were presented in eight structured sessions. Researchers shared innovative work in Artificial Intelligence, Machine Learning, Blockchain, IoT, Data Analytics and related fields. The sessions were interactive, with constructive feedback from session chairs and active discussions among participants.

The second day continued with the presentation of the remaining research papers across parallel tracks. Scholars presented their findings, methodologies and applications in various advanced computing domains. The sessions strengthened academic exchange and provided valuable exposure to young researchers, fostering collaboration and knowledge sharing.

The conference concluded with a valedictory ceremony where certificates were distributed to participants. The coordinators presented the conference report summarizing the two-day proceedings. Dignitaries congratulated the organizing team for successfully conducting the event and appreciated the active participation of researchers. The conference ended on a positive note, reinforcing the importance of research ethics, innovation and collaboration in advanced computer science and information technology.



Welcome Address

Dr. Sunil Joshi | HOD AI Department, SATI Vidisha

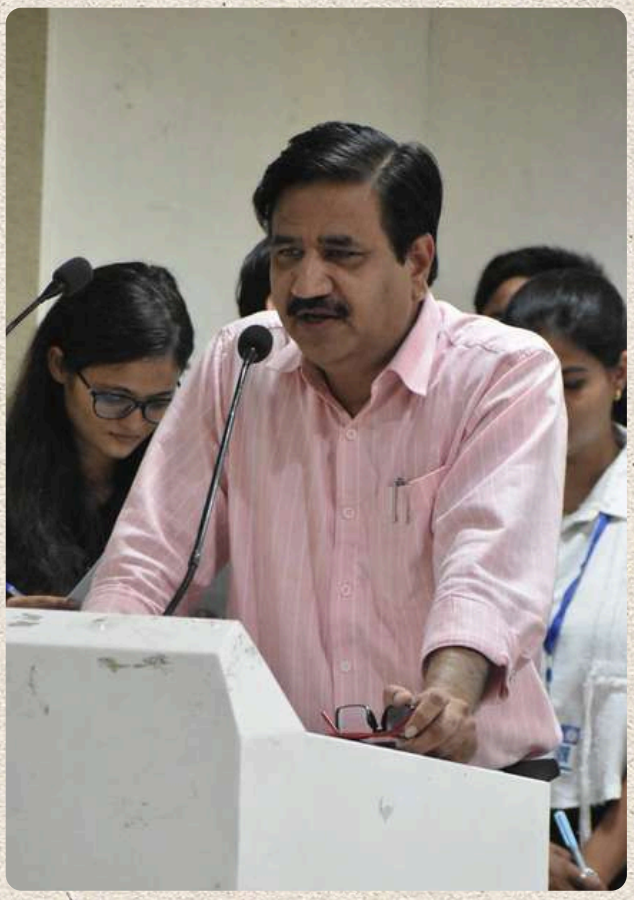
The conference began with an inaugural ceremony at SATI, Vidisha. The welcome address was delivered by Dr. Sunil Joshi, Head of the Department of Artificial Intelligence, who extended a warm welcome to all dignitaries, researchers, academicians and student participants.

In his address, Dr. Joshi emphasized the importance of research-driven learning, interdisciplinary collaboration and innovation in advanced technological domains.

He highlighted the conference's objective of creating a national platform for knowledge sharing and academic excellence. The conference received an enthusiastic response. More than 70 research papers were submitted and approximately 50 papers were shortlisted and accepted for presentation after a rigorous review process.

Director's Address

Dr. Y. K. Jain | Director, SATI, Vidisha



Dr. Y. K. Jain expressed his pride in witnessing the successful organization of NCACSIT 2025. He stated that research is the backbone of technological advancement and national development. In today's rapidly evolving engineering landscape, innovation is driven by systematic investigation, experimentation and practical application of knowledge. He emphasized that hosting offline national conferences requires strong coordination and dedication. Appreciating the organizing team, he congratulated the departments for bringing together researchers from diverse institutions. He encouraged participants to focus on originality, ethical research practices and solutions that address real-world societal challenges.

Address by Dean (R&D)

Dr. Jitendra Parashar| Dean, Research & Development, SATI, Vidisha

Dr. Jitendra Parashar highlighted the critical role of Research and Development in engineering progress. He stated that R&D transforms theoretical knowledge into practical technologies that impact industries and society. Conferences such as NCACSIT provide a platform for researchers to exchange ideas, build collaborations and enhance technical competence. He emphasized that a strong research culture leads to innovation, patents, funded projects and meaningful industry partnerships. Encouraging young scholars to pursue authentic and impactful research, he noted that sustained research efforts are essential for technological self-reliance and long-term development in the engineering domain.

Keynote Address

Dr. Kanak Saxena | HOD CSE Department, SATI Vidisha
Topic: Machine Learning

Dr. Kanak Saxena delivered an engaging keynote lecture on Machine Learning, discussing its growing relevance in modern technological applications. She explained how machine learning models enable intelligent decision-making across healthcare, finance, cybersecurity and smart systems. She emphasized that research must be conducted with integrity and independent critical thinking rather than excessive dependence on automated tools. Highlighting practical applications and current trends, she encouraged participants to develop strong conceptual understanding and problem-solving skills. Her session enriched the audience with insights into emerging developments and responsible AI practices.

Keynote Address

Dr. Umesh Banodha | Principal UIT Jhabua
Topic: Conceptual Fundamentals of Research

Dr. Umesh Banodha began the second day with a keynote lecture on the conceptual fundamentals of research. He emphasized the importance of originality, research ethics and plagiarism-free academic work. He highlighted government funding opportunities available for innovative research and encouraged scholars to utilize these grant to address real-world challenges. He explained that quality research requires clarity of objectives, proper methodology and honest reporting of results. He also noted that reputed journals, including SCI-indexed publications, accept well-structured review papers when conducted ethically and systematically.

Keynote Address

Dr. Sandeep Raghuvanshi | Data Scientist
Topic - Recommendation System

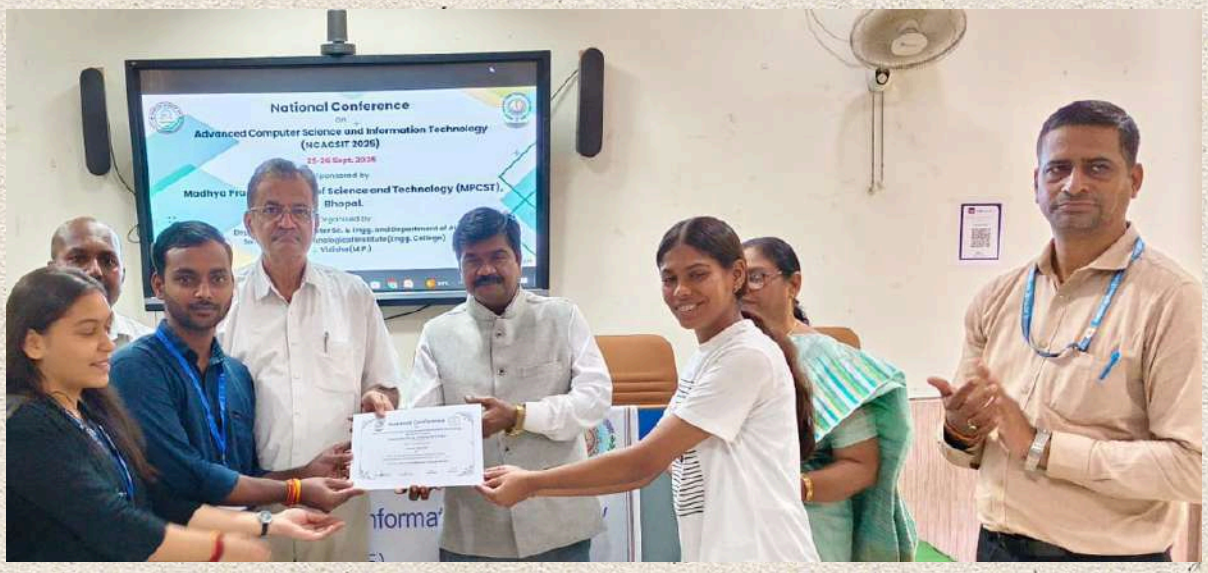
keynote lecture on Recommender Systems. He explained how recommendation algorithms power modern digital platforms by analyzing user behavior, preferences and data patterns. He emphasized that research should extend beyond writing abstracts and focus on solving practical problems that impact society. Highlighting real-world applications in e-commerce, entertainment and social platforms, he encouraged researchers to build scalable and user-centric solutions. He stressed the importance of data quality, model evaluation and ethical AI practices while developing intelligent systems, motivating participants to align research with industry needs.

Topic: Wildfire Spread Prediction: A Review

PAPER ID 45

Topic: Lexient: A Sentient AI Brain for Lifelong Learners

PAPER ID 52



Topic: MediMate - Ai Powered Intelligent Healthcare Companion

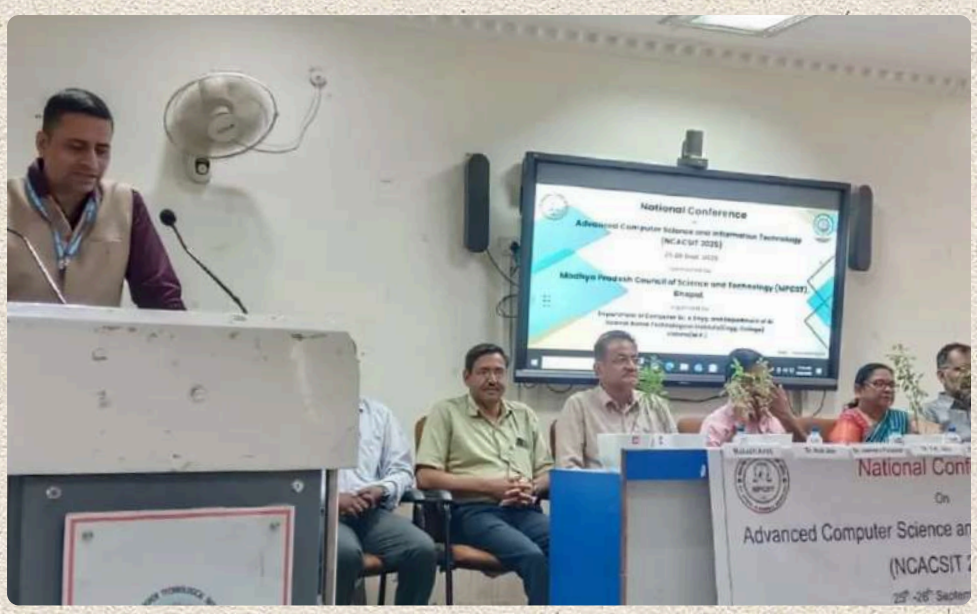
PAPER ID 43

Topic: Fake Document Detection Using Image Processing and Deep

PAPER ID 54

Organising Team

NCACSIT HIGHLIGHTS



नवभारत
रविवार 25 सितम्बर, 2025

आयोजन | एसएटीआई में 25 से नेशनल कांफ्रेंस का आयोजन

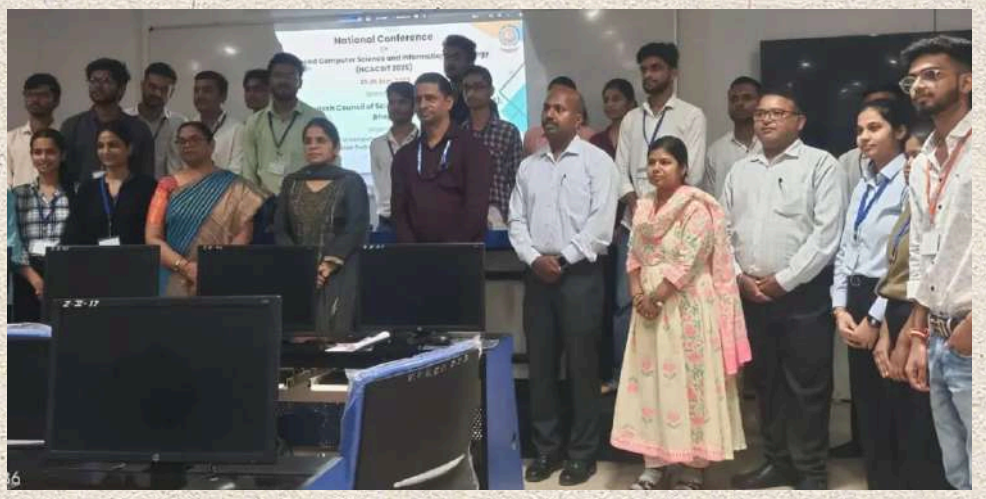
70 शोध पत्र हुए स्वीकृत, शोधार्थी व शोधकर्ता दो दिवसीय सम्मेलन में करेंगे प्रस्तुतीकरण

नवभारत न्यूज

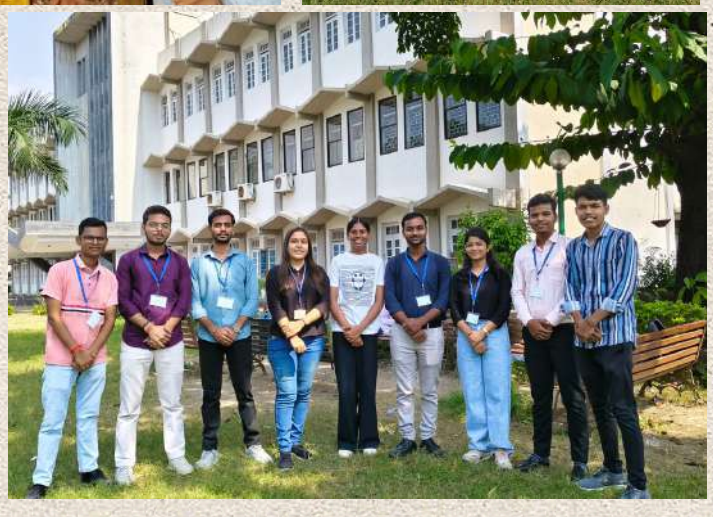
विदिशा.सम्राट अशोक प्रौद्योगिकी संस्थान के कंप्यूटर साइंस एंड इंजीनियरिंग विभाग तथा आर्टिफिशियल इंटेलिजेंस विभाग के संयुक्त तत्वावधान में 25-26 सितम्बर को नेशनल कॉन्फ्रेंस ऑन एडवान्स्ड कंप्यूटर साइंस एंड इंफॉर्मेशन टेक्नोलॉजी का आयोजन किया जा रहा है.यह सम्मेलन मध्यप्रदेश परिषद विज्ञान एवं प्रौद्योगिकी भोपाल द्वारा प्रायोजित है.

सम्मेलन में देशभर से विशेषकर हैदराबाद, विदिशा और भोपाल से 100 से अधिक शोध पत्र प्राप्त हुए हैं, जिनमें से लगभग 70 शोध पत्र स्वीकृत किए गए हैं. शोधार्थी एवं शोधकर्ता इन पत्रों का दो दिवसीय सम्मेलन में प्रस्तुतीकरण करेंगे.पहले दिन प्रातः 11 बजे उद्घाटन समारोह होगा.इसके पश्चात प्रसिद्ध डेटा साइंटिस्ट विशेषज्ञ द्वारा कीनोट लेक्चर दिया जाएगा. दोपहर के सत्र में चार समानांतर तकनीकी सत्रों का आयोजन होगा, जिनमें शोधकर्ता अपने शोध पत्र विभिन्न सत्र अध्यक्षों के समक्ष प्रस्तुत करेंगे.

दूसरे दिन प्रातः दो प्रतिष्ठित विशेषज्ञों द्वारा कीनोट एड्रेस एवं शोध प्रस्तुतिकरण के लिए पुनः चार समानांतर तकनीकी सत्र आयोजित होंगे.तत्पश्चात समापन समारोह वैलिडिक्टरी सेशन में प्रतिभागियों को प्रमाणपत्र वितरित किए जाएंगे.सम्मेलन के संयोजक डॉ. कनक सक्सेना ने सभी प्रतिभागियों को शुभकामनाएँ देते हुए कहा कि इस प्रकार के आयोजन से शोध कार्य को नई दिशा मिलेगी और प्रतिभागियों में प्रस्तुतीकरण कौशल एवं आत्मविश्वास का विकास होगा.सम्मेलन के कोऑर्डिनेटर डॉ. सुनील जोशी एवं प्रो. भुवेश आबाद हैं. एसएटीआई बोर्ड ऑफ गवर्नर्स के सचिव डॉ. लक्ष्मीकांत मखैडकर एवं संस्थान के निदेशक डॉ. वाई. के. जैन ने अपने संदेश में कहा कि ऐसे आयोजन से निश्चित ही शोध एवं विकास कार्यों को प्रोत्साहन मिलेगा तथा संस्थान का शोध वातावरण और सुदृढ़ होगा.उन्होंने कंप्यूटर साइंस एवं इंजीनियरिंग विभाग तथा आर्टिफिशियल इंटेलिजेंस विभाग की ऐसे महत्वपूर्ण सम्मेलन के आयोजन के लिए बधाई दी एवं एमपीसीएसटी का आभार व्यक्त किया.



NCACSIT HIGHLIGHTS



NCACSIT HIGHLIGHTS

Placements

2023 - 24 Batch

Ishika Karma
Capgemini

Rukaiya Bano
Capgemini

Jagrati Joshi
Capgemini

Gourav Patel
RAPIDOPS Solutions

Sandeep Chouhan
RAPIDOPS Solutions

Shruti Shastri
TCS

Umer Khan
TCS

Chandrabhan Bahetwar
TCS

SKILL FORGE

Aishwarya Kushwah
Aman Yadav
Priyanshu Patel
Vishal Taunk

TECHNOOK

Ayushi Jain
Mohit Singhal
Shreya Shirdhonkar
Simi Shrivastava
Vedansh Shrivastava

KODNET

Ishika Karma
Nikita Rai
Shivanshu Mishra

Congratulations

QSPIDERS TRAINING & DEVELOPMENT CENTER

Anurag Kushwah
Ayushi Jain
Harshal Rathore
Ishika Karma
Jatin Kshatriya
Nikita Rai
Shivanshu Mishra
Shreya Shirdhonkar
Vishal Taunk
Mahak Jain

CORIZO EDUTECH

Mahak Jain

CEASEFIRE PVT. LTD

Shivanshu Mishra

MITSOGO TECHNOLOGY

Prashant Patel

PLANET SPARK

Shivanshu Mishra

STOVL CONSULTING PVT LTD

Subhanshu Tripathi

Congratulations

2024 - 25 Batch

Rashmi Botke
RAPIDOPS Solutions

Vaishali Raghuwanshi
Cognizant

Sahil Chourasiya
Bestpeer InfoSystem

Tanya Gupta
Infosys & HCL Tech

Srashti Gupta
Cognizant

Muskan Vaishnav
Cognizant

Akshat Sharma
Congizant

SKILL FORGE

Kavyansh Bhargava
Shrinath Asati
Tanya Gupta
Jagriti Raikwar
Rishabh Sharma
Sanskriti Bangre
Prabhat Gupta
Muskan Vaishnav
Disha Mathnkar
Mandavi Dangi
Divyansh Chouhan
Kuldeep Rajak

TECHNOOK

Mandavi Dangi
Piyush Rai
Renu Ghogre
Tanya Gupta
Laxmi Farkase
Teesha Bhagat
Sanskriti Bangre
Rupesh Namdev
Apeksha Parmar
Vineet Goyal
Sahil Chourasiya
Arya Jain

CORIZO

Sneha Yadav
Pranav Pardhi

G10X

Divyansh Chouhan
Piyush Rai

BESTPEERS INFOSYSTEM PVT LTD

Sahil Chourasiya

Congratulations

ACADOMER

Devansh Chourey
Vaishnavi Patil
Ankit Patel
Srishti Gupta
Apeksha Parmar
Rupesh Namdev
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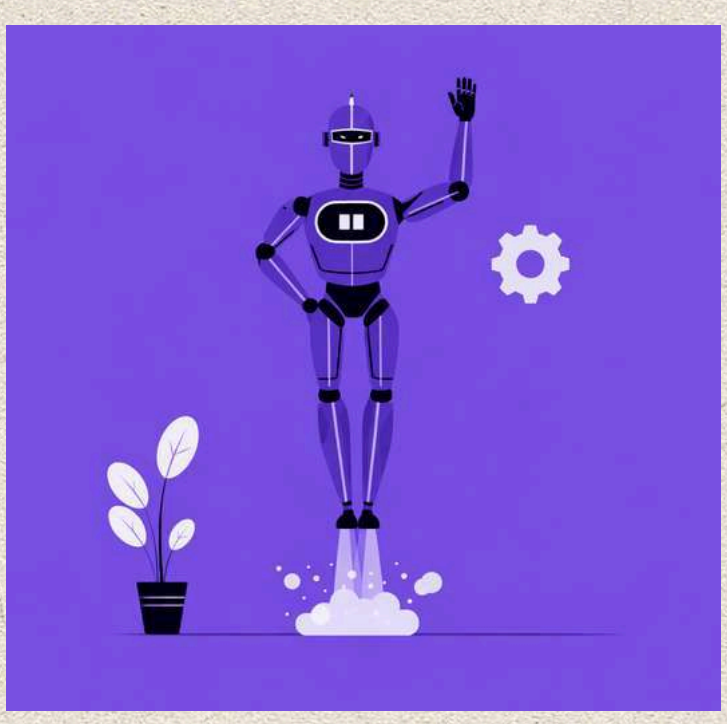
Congratulations



RECENT AI *Trends*

RECENT RELEASES:

- **GPT-5.2 (OpenAI — Dec 11, 2025):** A major 2025 release featuring specialized modes for speed, reasoning and professional use, with strong multimodal and long-context capabilities.
- **Claude Opus 4.5 (Anthropic — Nov 24, 2025):** Anthropic's most advanced model, excelling in coding, deep research and agentic workflows, alongside improved safety and reduced pricing.

TRENDS FOCUS:

- **Sovereign AI:** Sovereign AI focuses on national control of AI systems and data infrastructure to ensure security, self-reliance, and ethical governance.
- **Retrieval-Augmented Generation (RAG):** RAG boosts AI responses by combining generative models with external data access, improving accuracy and relevance in information-rich industries like healthcare and law.
- **Ethical & Explainable AI:** Explainable AI helps users understand the reasoning behind model predictions and reduces bias and misuse.
- **AI Democratization (Low-code and no-code platforms):** Low-code and no-code platforms enable non-technical users to build AI apps, widening access and speeding automation without deep programming skills.
- **Digital Twins:** Digital twins create virtual replicas of assets and systems, enabling real-time performance monitoring, optimization, and predictive insights for smarter decision-making.
- **Shadow AI:** Shadow AI refers to AI tools used without IT oversight, growing in popularity as teams independently adopt innovative solutions.

INDIA AI MISSION

INDIA'S FIRST SOVEREIGN LARGE LANGUAGE MODEL

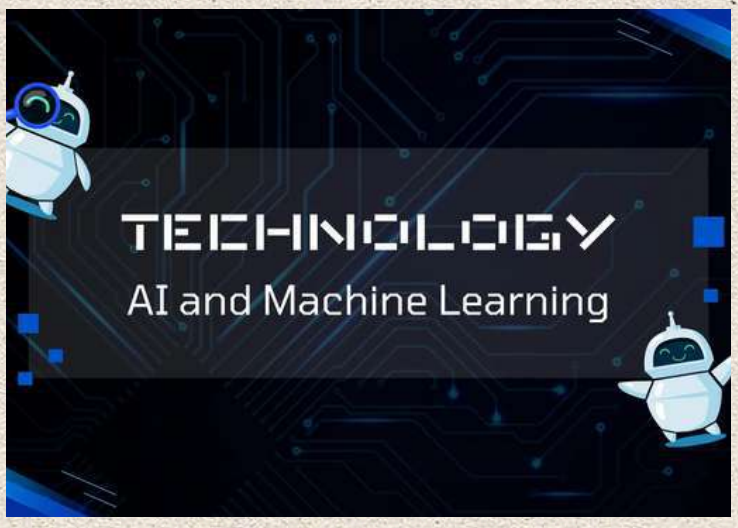
April 26, 2025 | Bengaluru, India
The Government of India, under the IndiaAI Mission, selected Sarvam AI to develop the nation's first indigenous sovereign Large Language Model (LLM) - aiming to serve AI capabilities with full data sovereignty, voice interaction fluency and Indian language support.

SARVAM AI - BUILDING INDIA'S SOVEREIGN AI ECOSYSTEM

Sarvam AI is a Bengaluru - based artificial intelligence company building India's sovereign AI ecosystem - from large language models to multilingual speech, vision and reasoning systems specifically designed for Indian languages, culture and real-world needs.

- Focused on multilingual AI (22+ Indian languages)
- Building sovereign, India-hosted AI infrastructure
- Supports text, voice and multimodal AI solutions

Tech Article



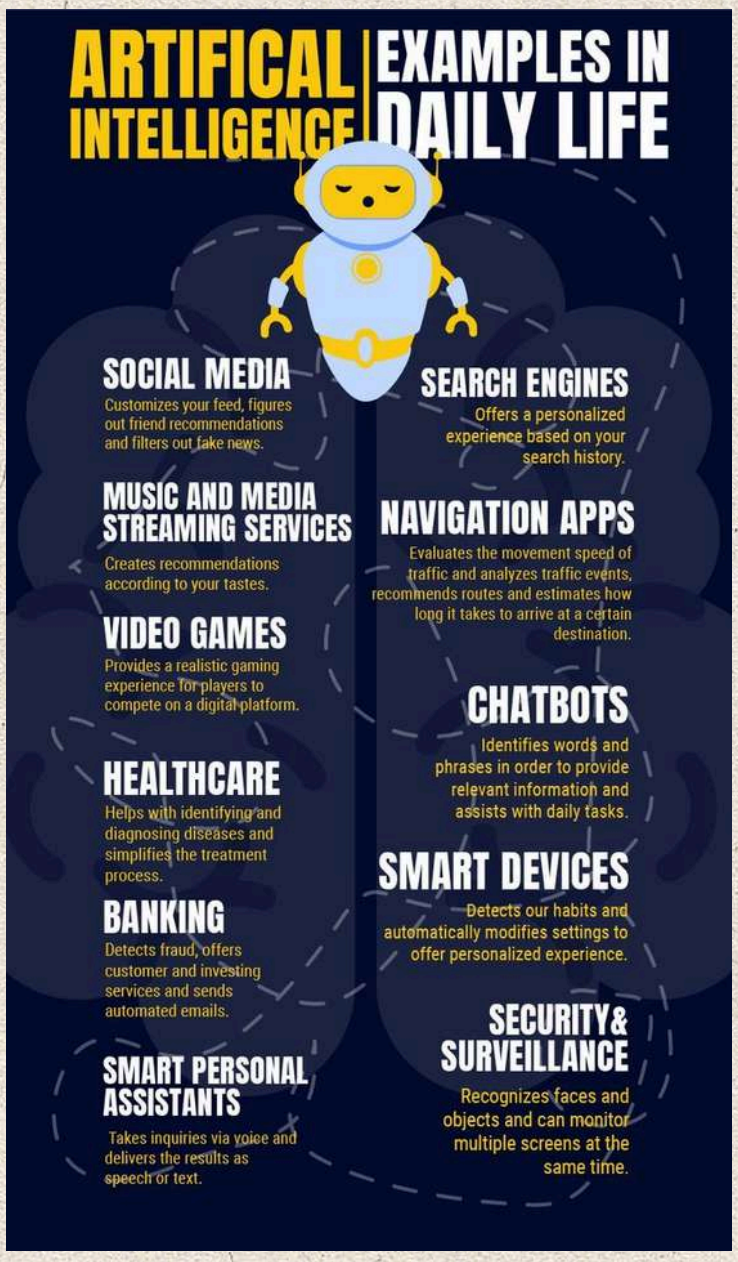
Technology Can Help Us Create, but Our Mind Decides the Direction

Recently, I studied Generative AI and argued that curiosity drives the learning process in the realm of Artificial Intelligence. Generative AI models build meaningful outputs like text, images, audio, or videos by analyzing large datasets based on specific prompts. Based on fundamental Machine Learning concepts, such as supervised and unsupervised learning, these models identify patterns and produce new content. Certain models also optimize the output using generator and evaluator processes. Moving beyond the technical aspect, I sense a larger connection here: just as AI requires quality input and specific prompts, life itself requires well-articulated intentions. Technology may enable the creation process, but the future course is set by the human brain.

Sakshi Tiwari
AIADS Final Year

AI Revolution

AI revolutionizes daily life today through tools like chatbots, image generators and smart assistants that boost productivity in work, healthcare and entertainment. Machine learning powers real-time decisions, from traffic optimization to personalized medicine, while neural networks enable creative outputs rivaling humans.



GALLERY

राष्ट्रीय स्टार्ट अप फैक्ट्री प्रतियोगिता में एसएटीआई की टीम रही प्रथम

विदिशा। एसएटीआई संस्थान के छह इंजीनियरिंग विद्यार्थियों ने आईआईटी खडगपुर में आयोजित नेशनल लेवल स्टार्ट अप फैक्टी कॉम्पटीशन में प्रथम स्थान प्राप्त किया है। आईआईटी खडगपुर में विगत पांच फरवरी को नेशनल लेवल स्टार्ट अप फैक्टी प्रतियोगिता आयोजित हुई थी। जिसमें देश के दर्जनों इंजीनियरिंग कॉलेज के विद्यार्थियों की टीम ने भाग लिया था। इसी प्रतियोगिता में एसएटीआई के सिविल ब्रांच के स्वास्तिक खरे, आर्टिफिशियल इंटेलिजेंस एंड डेटा साइंस के नमन नामदेव, आयुषी कुरेले, स्नेहा यादव, लक्ष्मी फरकसे और टीशा भगत की टीम ने भी हिस्सा लिया और स्टार्ट अप फैक्टी कॉम्पटीशन में प्रथम स्थान प्राप्त किया है।

इस कॉम्पटीशन में पांच संभावित महामारी होने की स्थिति में विभिन्न सेक्टर्स की कंपनियों की असेट वेल्यू और शेयर वेल्यू तय कर उनके शेयर खरीदने थे। टेक्नीकल एवं फायनेंशियल एक्सपर्ट की टीम ने सभी टीम की कार्य प्रणाली को नजर में रखा और उसका परिणाम घोषित किया। आईआईटी खडगपुर द्वारा ईमेल के जरिए एसएटीआई के सभी छह विद्यार्थियों को उनकी टीम का प्रथम स्थान पर चयनित होने की सूचना एवं बधाई दी है। शीघ्र ही उनके पुरस्कार एवं सर्टिफिकेट भी प्रदान किये जाएंगे।

महाराजा जीवाजीराव एज्युकेशन सोसायटी के सचिव डॉ. लक्ष्मीकांत मरखेडकर, संचालक डॉ आरके पंडित, आर्टिफिशियल इंटेलिजेंस एंड डेटा साइंस की विभागाध्यक्ष डॉ कनक सक्सेना, सिविल विभागाध्यक्ष डॉ राजीव जैन, जनसंपर्क अधिकारी डॉ आशीष मानोरिया, टीम के कोआर्डिनेटर प्रो अभिषेक माथुर सहित सभी प्राध्यापकों एवं सहपाठी विद्यार्थियों ने विजेता टीम के सदस्यों को बधाई दी है।

GALLERY

शिवपुरी जिले के होनहार छात्र नमन नामदेव ने जिले के समस्त अधिकारियों की कांटेक्ट डायरेक्टरी का एप्प बनाया

शिवम पाण्डेय जनमत युग

शिवपुरी-शिवपुरी जिले के होनहार छात्र नमन नामदेव पुत्र श्री मनोज नामदेव जो कि वर्तमान में बीटेक कृत्रिम बुद्धिमत्ता और डेटा विज्ञान का दूसरा वर्ष का छात्र है ओर विदिशा में अध्ययनरत है के द्वारा जिला शिवपुरी में जिला स्तरीय अधिकारियों की संपर्क निर्देशिका एप्प के रूप में तैयार की है इसके लिए जिले के कलेक्टर महोदय के निर्देशन एवं निखिल राय NIC के मार्गदर्शन में एप्प तैयार किया गया इस एप्प में जिले के अधिकारियों के मोबईल नम्बर के साथ शिवपुरी जिले के टूरिज्म तथा योजनाओं ओर महत्व पूर्ण लिंक भी दी गई है इस एप्प के डेवलोप करने से जिले की जनता तो शिवपुरी के अधिकारियों के नम्बरके साथ - साथ शिवपुरी जिले की महत्व

पूर्ण पर्यटक स्थलों की जानकारी भी प्राप्त होगी।

नमन नामदेव द्वारा पूर्व में भी व्हाट्सएप्प की तरह काम करने वाला एप्प तैयार किया गया था नमन नामदेव जिले के एकमात्र ऐप डेवलपर है इसके द्वारा जिले के साथ - साथ अपने परिवार का नाम भी रोशन किया गया है।

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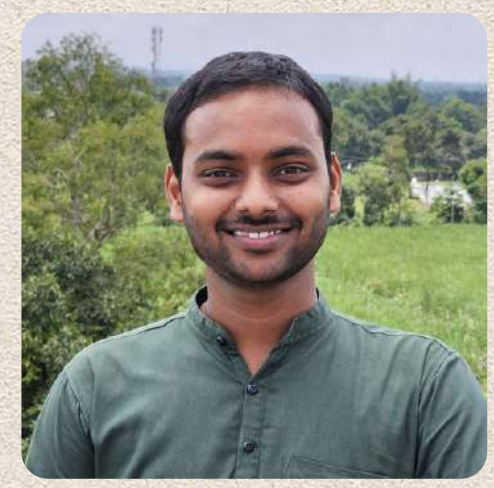

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