

# AIML SPOTLIGHT

MONTHLY NEWSLETTER

AIML COMMUNITY MUJ

## FROM THE DESK OF DIRECTOR, SCSE



I am delighted to address you through the AIML Spotlight newsletter, a platform that showcases the remarkable achievements and initiatives of the Department of Artificial Intelligence and Machine Learning. At the School of Computer Science and Engineering, we envision creating a learning ecosystem that nurtures innovation, leadership, and societal impact.

The advancements in AI and ML are transforming the world at an unprecedented pace, and it is heartening to see our students and faculty contributing significantly to this journey. I congratulate the department for their efforts and encourage our readers to leverage the opportunities provided by such platforms.

– Dr Sandeep Chaurasia Director, SCSE

It brings me immense pleasure to connect with you through this edition of the AIML Spotlight newsletter. The Department of Artificial Intelligence and Machine Learning continues to strive for excellence by fostering a culture of innovation, academic rigor, and industry collaboration. This year, we have achieved several milestones, from successful events like the Techno-Entrepreneurial Boot Camp to groundbreaking research contributions by our faculty and students. We remain committed to empowering our students with cutting-edge knowledge and skills, preparing them for a dynamic and promising future in AI and ML. I invite you all to stay engaged, explore new opportunities, and contribute to this exciting field of technology.



– Dr. Puneet Mittal, HOD AIML

## GOOGLE TECHSTARS STARTUP WEEKEND JAIPUR



The iconic event Startup Weekend Jaipur was held at Manipal University Jaipur from October 4th to October 6th, 2024, with the help of our sponsor State Bank of India.

The AIC-MUJ (Atal Incubation Center-Manipal University Jaipur) and the School of Computer Science & Engineering in collaboration with Google for Startups hosted this well-organized and incredibly educational event

This team-based event had participants spend 54 hours to turn their innovative ideas into a viable business. From pitching, prototyping, and designing to business model creation and market validation, we covered it all, in just 3 days. The competition featured a massive prize pool of Rs. 1 lakh



## Meet The Panel



Amit Kataria is the CEO of Saras AI, leading the company's mission to transform customer experiences with AI-driven solutions. Under his guidance, Saras AI develops cutting-edge conversational AI and automation tools that enhance customer engagement and streamline operations. With a solid background in technology and innovation, Amit plays a key role in shaping the company's vision of seamless, intelligent interactions across various industries.



Puneet Chopra, CTO of HP, leads the company's global technology strategy and innovation roadmap. Focused on driving digital transformation, he oversees the integration of AI, cybersecurity, and cloud computing to deliver cutting-edge products and services. His leadership is vital in shaping HP's technology future, with a strong commitment to sustainability, inclusivity, and digital equity.



Abhishek Kar is an angel investor known for supporting early-stage startups across diverse industries. With a sharp focus on innovation and emerging tech, he provides both capital and strategic guidance to help startups grow. Drawing on his entrepreneurial experience, Abhishek backs companies in fintech, AI, and tech-driven sectors, aiming to nurture the next wave of successful businesses. His investment approach emphasizes long-term growth and value creation for entrepreneurs and their ventures.



Aditya Dave, Founder & CEO of Cibos, creates portable, smart kiosks and solar-powered solutions to empower micro-entrepreneurs. A passionate traveler and street food enthusiast, he aims to provide affordable tech to small businesses. Aditya is also a Global Facilitator for Techstars Startup Weekend and received the Karmaveer Chakra in 2019 for his social impact work. He founded Uppskale, a platform helping youth secure jobs through challenge-based hiring.



Anoop Garg is the Co-founder of Programming Pathshala, committed to helping individuals build confidence and master essential technical skills. Known for its deep curriculum and personalized support, the platform empowers tech professionals to become top-tier software engineers. Anoop aims to make technical education accessible to all, from schools to higher education, and for professionals looking to upskill.

## Meet The Winners

**1st Place**  
**Team Atomic Rabbits**  
**Lead: Aryan Kalra**  
**Prize Rs. 50000**

**2nd Place**  
**Team Sero**  
**Lead: Abhaya Trivedi**  
**Prize Rs. 30000**

**3rd Place**  
**Team Reti**  
**Lead: Sahanaa Vashishth**  
**Prize Rs. 20000**

### DR. RAMDAS M PAI AWARD FOR PROFESSIONAL EXCELLENCE



**Dr. Varun Tiwari**



**Dr. Vivek Bhardwaj**



**Dr. Deepak Panwar**

The AIML community is incredibly proud of the faculty from the Department of AIML, who have received the prestigious Dr. Ramdas M Pai Award for Professional Excellence. These professors have gone above and beyond their role as educators, to provide the best possible experience for the students of our university. They have shown amazing commitment to their work, and have made significant contributions not just as professors, but as researchers too. They continue to be an inspiration to all the students of MUJ. We would like to express our gratitude for their hard work, and also congratulate all the faculty from the University who have been bestowed with this prestigious award.

### INDUSTRIAL VISIT TO BHAMASHAH DATA CENTRE AND TECHNOHUB PARK



The industrial visit to Bhamashah Data Center and Technohub Park on 2nd December, 2024 aimed to bridge the gap between academic knowledge and real-world technological applications. This event was designed to provide participants with hands-on exposure to cutting-edge data management practices and insights into the vibrant ecosystem of startups and innovation hubs. By engaging directly with industry professionals and infrastructure, students and faculty members were equipped with practical knowledge and inspiration for academic and professional growth. The event underscored MUJ's commitment to fostering a culture of experiential learning, industry interaction, and innovation.



The visit began with a comprehensive introduction to the Bhamashah Data Center, which plays a pivotal role in managing government data services. Participants were given a guided tour showcasing state-of-the-art facilities, cutting-edge technologies, and robust security measures. The session included an informative presentation on the critical importance of data management in ensuring effective governance.

At Technohub Park, participants were immersed in the vibrant entrepreneurial environment. The visit featured interactions with startup founders, tours of co-working spaces, and insights into support systems designed to empower budding entrepreneurs. Students gained valuable knowledge about innovation, sustainability, and technology's role in fostering economic growth.

## ARTICLES

# From AI Breakthroughs to Courtrooms: OpenAI's Defining Moments in 2024

- Utkarsh Kumar

## Open AI's Breakthroughs

### OpenAI Introduced Sora:

OpenAI introduced Sora, a text-to-video model available for red-teaming to manage potential harms and risks. In a promotional demo, OpenAI released several realistic, high-definition video clips created by Sora which awed the public and went viral.

### GPT Series Evolution:

- GPT-3 set a benchmark in language generation.
- GPT-4 Turbo enhanced reasoning and enabled custom AI solutions.

### o1 and o3 Models (2024)

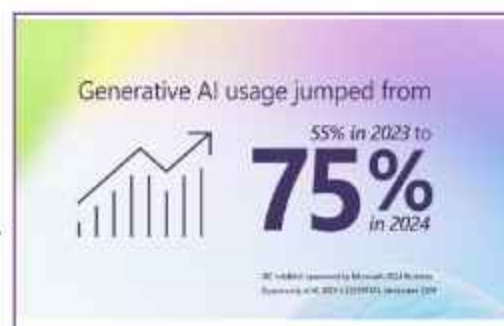
- o1 introduced advanced problem-solving and reduced hallucinations.
- o3 achieved near-human performance in AI reasoning benchmarks.

### The Big Launch: GPT-4o

OpenAI GPT-4o marks an unprecedented leap in artificial intelligence, combining unmatched computational power with advanced natural language processing. This prototype builds on the strengths of its predecessor, GPT-4 Turbo and overcomes limitations such as uncertainty and inconsistency in solving complex problems.

### OpenAI Adds a Canvas to GPT 4o:

OpenAI gave ChatGPT yet another upgrade with canvas. This new interface made writing, coding, and working with ChatGPT more intuitive, going beyond a simple chat. Offering a dedicated working window, real-time editing with version control, editorial suggestions, and more, ChatGPT 4o with canvas substantially improved the platform's user experience.



# Legal Troubles

## Elon Musk's Legal Battle Begins:

- OpenAI's transformation from a nonprofit research laboratory established in 2015 to a pioneering force in artificial intelligence presents a fascinating case study in technological evolution, intellectual property and organizational governance.
- On February 29, 2024: Elon Musk filed a lawsuit against OpenAI and its CEO, Sam Altman, alleging that the company deviated from its original nonprofit mission to prioritize profits over public benefit. Musk later withdrew the lawsuit in June, only to revive it in August. He later amended it in November to include Microsoft, accusing both entities of anti-competitive practices.

## Legal Showdown: U.S. News Outlets Taking OpenAI to Court:

- The New York Times filed a lawsuit against both OpenAI and Microsoft. The suit alleges that millions of Times articles were used without authorization in training AI models, raising fundamental questions about intellectual property rights in the digital age.
- Eight U.S. newspapers, including the New York Daily News, Chicago Tribune, and Denver Post, sued OpenAI and Microsoft.

# A Farewell, and a Familiar Face

## A Major Departure: Sutskever Moves On

Ilya Sutskever, co-founder and Chief Scientist of OpenAI, announced his departure to pursue a new venture. Sutskever co-founded Safe Superintelligence Inc. (SSI).

## Return of a Co-Founder

On November 12, 2024, fortunately for OpenAI, Greg Brockman returned to office after his extended leave. His comeback was met with optimism, as many view him as a stabilizing force amidst the year's turbulence.

## INTERNSHIP AND RESEARCH OPPORTUNITIES

### Internship: Take Off with ASR Aviation!

Embark on a Journey with India's Premier Luxury Aviation Brand ✈

Step into the extraordinary with ASR Aviation, where innovation meets sophistication. This winter, seize the opportunity to join our prestigious Winter Internship Program and become part of a legacy that redefines luxury air travel.

With an impressive fleet of 1,000+ aircraft, including state-of-the-art private jets, helicopters, and international carriers, ASR Aviation curates unparalleled travel experiences for the world's elite. Now, we're opening the doors to future visionaries like you. Exclusive Internship Opportunities !

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### Ready to Take Off?

Submit your application here:

Apply Now : [https://lnkd.in/gf\\_33vdt](https://lnkd.in/gf_33vdt)

Seats are limited—don't miss your chance to soar to new heights with ASR Aviation.



**Early career Research Grants in Biomedical and Health Research by Indian Council of Medical Research (ICMR)**

Online research proposals are invited for the year 2024-25, for START-UP GRANT FOR INDUCTION INTO BIO-MEDICAL & HEALTH RESEARCH for regular faculties and biomedical researchers who have recently completed Ph.Ds. in biomedical/health sciences (within last 5 years).

Details at <https://lnkd.in/gpZvgh9a>

Apply by 30th January 2025

**Designing Materials to Revolutionize and Engineer our Future (DMREF) - Collaborative research program supported by the India DST and the National Science Foundation (NSF)**

DMREF seeks to foster the design, discovery, and development of materials to accelerate their path to deployment by harnessing the power of data and computational tools in concert with experiment and theory. DMREF emphasizes a deep integration of experiments, computation, and theory; the use of accessible digital data across the materials development continuum; and strengthening connections.

The Principal Investigator (PI) and other investigators in India should be scientists/ faculty members working in regular capacity in Universities/ Deemed Universities/ Academic Institutes and National Research & Development Laboratories/ Institutes as well as working in private non-profit institutions that carry R&D activities. The Indian Principal Investigator (PI) should not be retiring or leaving the parent institute during the proposed duration of the project.

Details at <https://lnkd.in/gwRhUs7G>

Apply by 4th February 2025

**Joint Japan-World Bank Graduate Scholarship Program**

offering a unique opportunity for citizens of developing countries to pursue a master's degree in development-related fields.

It covers

Monthly living stipend.

Full tuition coverage for any of the 41 participating master's programs.

Health insurance.

Round-trip airfare.

Additional travel allowance.

Candidate should have

at least 3 years of paid, development-related work experience post-bachelor's degree.

Be employed in a development-related role at the time of application.

Secure unconditional admission (excluding financial conditions) to one of the 41 participating master's programs located outside the applicant's country of citizenship and residence.

Details at <https://lnkd.in/eWviCS9T>

Apply by February 28, 2025

# MEET THE TEAM

## Faculty Coordinators



Dr. Varun Tiwari



Dr. Amit Kumar Bairwa

## Student Coordinators



Ron Alexis  
Chief Editor



Aakash Srivastava  
Design Team



Utkarsh Kumar  
Content Team



Navya Chhabra  
Content Team



Priyansh Jha  
Content Team



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