

Teaching Assistantship Portfolio

9× Community Speaker | 860+ Students Taught

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Session Topics at a Glance

1. Research & AI Foundations
2. Transformers & LLMs
3. Machine Learning
4. Python & Computer Vision
5. Cloud & Open Source

Research & AI Foundations

Why Research Papers? A Comprehensive Guide



📍 DJSACM Research Seminar

Delivered to 200+ computer science students covering research methodology, literature review, research-question formulation, critical analysis, identifying research gaps, citation management, and publication venue selection.

 [Watch recording](#)

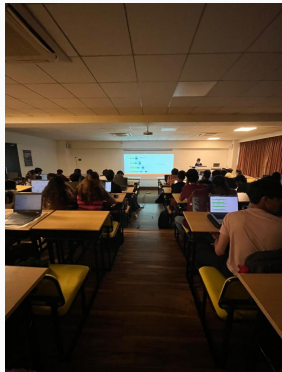
Breaking Into Research: AI/ML Foundations, Careers & Publications

📍 Atharva College of Engineering — CSI-ACE 5-Day Workshop

Invited speaker covering AI/ML fundamentals and applications, research methodology, publishing practices, and career pathways in AI/ML. Shared practical resources and tips with students eager to explore research and careers in artificial intelligence.

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Transformers & LLMs

Transformers in AI — From Perceptrons to Generative Models



SBMP Alma Mater

Workshop for 40+ polytechnic students on the evolution of AI architectures: perceptrons, neural networks, attention mechanisms, and modern transformers (BERT, GPT). Included hands-on coding in Python, TensorFlow, and Hugging Face.

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Building Intelligent Applications with LangChain and LLMs

📍 TFUG ML Mumbai

Led 300+ ML practitioners through building production-ready AI applications with LangChain, covering RAG, vector databases, prompt engineering, chain composition, chatbots, QA systems, and content pipelines.



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Machine Learning

Machine Learning in the Wild: Bridging Theory and Practice



📍 SBMP Alma Mater

Interactive session for 40+ engineering students on the practical landscape of ML, covering the end-to-end pipeline: data preprocessing, feature engineering, model training, evaluation, and deployment.



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Python & Computer Vision

Mastering Python — A Hands-on Workshop for Developers

📍 NMIMS Navi Mumbai

Intensive 3-hour workshop for 80+ engineering students covering Python fundamentals to advanced topics (OOP, file handling, NumPy, Pandas, Matplotlib), with projects in data analysis, web scraping, API development, and automation.

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Unlocking the Power of Computer Vision with MediaPipe



📍 Mumpy March Meetup 2024

Interactive workshop for 40+ developers on computer vision using Google's MediaPipe — face detection, pose estimation, hand tracking, and gesture recognition — to build real-time fitness trackers and interactive games.



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Cloud & Open Source

Leveraging Boto3 — Pythonic Access to S3 and SNS on AWS

📍 Mumpy June Meetup 2024

Hands-on workshop for 50+ Python developers on AWS integration with Boto3: S3 operations, SNS messaging, IAM security, cloud best practices, scalable data pipelines, automated backups, and real-time notification systems.



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From Code to Community — Publishing PyPI Packages



📍 FOSS United June Meetup 2024

Presented to 50+ developers on Python package development and distribution: PyPI publishing workflow, versioning, documentation, CI/CD integration, issue tracking, contribution guidelines, and community engagement strategies.



[View GitHub repo](#)



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Contact me

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