Aditya Mer

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EDUCATION

K. J. Somaiya Institute of Technology   Mumbai, India
Bachelor of Technology in Artificial Intelligence and Data Science   *Dec. 2021 – May 2025*
- CGPA: 8.19 / 10.0

Jai Hind College   Mumbai, India
H. Sc. (Higher Secondary Certificate)   *Aug. 2019 – Aug. 2021*

Chandaramji High School   Mumbai, India
S. Sc. (Secondary School Certificate)   *June 2009 – May 2019*

PUBLICATIONS

Towards Mitigating Misinformation: A Structured Dataset of Fact-Checked Claims from News Media
IEEE Conference Publication | IEEE Xplore

- Co-authored research paper focusing on the creation of a structured dataset to counter misinformation, accepted for publication in an IEEE conference.

INTERNSHIPS

Web Developer Intern   Hybrid
IASCC   *June 2025 – Aug 2025*
- Designed and developed IASCC's main website from the ground up, delivering a responsive, accessible, and intuitive user interface.
- Built and integrated a custom Content Management System (CMS) to manage and publish dynamic content including blogs, newsletters, articles, and research publications.
- Maintain and enhance the website's frontend, focusing on performance optimization, UI/UX improvements, and seamless content updates.

Research Intern   Mumbai, India
Society for Data Science   *May 2023 – May 2025*
- Conducted research on the spread of misinformation using advanced machine learning techniques.
- Analyzed text datasets of over 21,000 news articles to uncover patterns and indicators of fake news.
- Developed and evaluated models (ColBERT, SVM) for misinformation detection, optimizing performance using metrics such as Matthew's Correlation Coefficient.
- Contributed to an IEEE conference paper accepted for publication.

Software Development Intern   Mumbai, India
YANISA EXECUTION Pvt Ltd   *Sep 2023 – Dec 2023*
- Built scalable web apps and developed a no-code CRM to streamline client management.
- Collaborated with teams to deliver key features and optimize performance.
- Assisted in designing intuitive user interfaces to enhance overall user experience.

Data Science & ML Intern   Remote
Ybi Foundation   *July 2023*
- Developed predictive machine learning models using Python, TensorFlow, and PyTorch.
- Implemented robust data preprocessing pipelines to handle large-scale datasets efficiently.
- Worked on real-world analytics problems, applying regression and classification techniques.

Azure, Java, and Web Development Intern   Mumbai, India
Claidroid Technologies Pvt Ltd   *Dec 2022 – Jan 2023*
- Gained hands-on experience with Azure cloud services, Java programming, and modern web development.
- Built and deployed a library management web application using Azure App Services and Azure SQL Database.
- Applied core software engineering principles in the development of enterprise-grade solutions.

PROJECTS

ATS System
- Streamlit app functioning as an ATS resume scanner, leveraging Google's Gemini AI to evaluate resumes against job descriptions. [GitHub] [Demo]

FastWrite (PyPI Package - 6k+ Downloads in First Month!)
- Published Python module for AI-assisted documentation generation, available on PyPI. [PyPI] [GitHub]

EchoMail
- Modern email marketing platform built with Next.js and TypeScript, integrating Gmail API to send personalized bulk emails with Gmail-like formatting and high deliverability. [GitHub] [Demo]

Mini App Factory
- AI static website generator for quickly creating mini apps/sites from prompts and templates. [GitHub] [Demo]

Verify News
- Modern news verification platform built with React, TypeScript, LangSearch and Gemini AI to detect misinformation across text, images, audio, and video. [GitHub] [Demo]

AI Research Agent
- Developed an autonomous AI agent using CrewAI to perform automated literature reviews, synthesize findings, and generate research summaries. [GitHub] [Demo]

AWARDS AND RECOGNITION

Runner-Up, Poster Presentation - **AI ROBOFEST 2025**, KJSIT
Presented the FastWrite PyPI package, demonstrating its AI-assisted documentation capabilities and real-world impact to a panel of academic and industry judges.

Runner-Up, Vision Board Competition - **ISF CONGRESS 2025**, SAKEC
Showcased FastWrite in the form of a strategic vision board, outlining its roadmap, user adoption, and integration with GenAI workflows.

EXTRACURRICULAR ACTIVITIES & LEADERSHIP

Society for Data Science (S4DS)   KJSIT, Mumbai
Knowhow AI/ML Lead & Joint Tech Lead   *July 2024 – May 2025*
- Managed technical aspects of a 36-hour offline hackathon at KJSIT, Mumbai, including team shortlisting, website/portal design, leaderboard management, and on-site technical support.
- Conducted 3-4 sessions/workshops on AI/ML concepts for junior students.
- Mentored 10+ junior students in developing their AI/ML projects.
- Provided ad-hoc technical guidance and mentorship to junior members.

IEEE Student Branch   KJSIT, Mumbai
Joint Chief Technical Officer (Jt. CTO)   *July 2024 – May 2025*
- Coordinated technical logistics for a 24-hour offline branch hackathon at KJSIT, Mumbai, covering team selection, website/judging tools development, leaderboard implementation, and event-day technical troubleshooting.

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, C, TypeScript, JavaScript
GenAI Tools Frameworks: Langchain, LlamaIndex, CrewAI, Hugging Face Transformers, OpenAI API, Gemini API, ChatGroq, RAG, Autonomous Agents
Data Science ML: TensorFlow, Keras, PyTorch, Scikit-Learn, Pandas, NumPy, ColBERT, SVM
Cloud Computing: Google Cloud Platform (GCP), Amazon Web Services (AWS), Microsoft Azure (App Service, SQL Database)
Web Development: Flask, Django, Streamlit, React, HTML, CSS
Databases: Firebase, MongoDB, MySQL, PostgreSQL, SQLite
DevOps Tools: Docker, Git, GitHub, Nginx
Data Visualization: Matplotlib, Seaborn, Power BI
Computer Vision: Image Classification, Object Detection, Segmentation, GANs, OpenCV
NLP: Text Classification, Sentiment Analysis, NER, POS Tagging, Embeddings, Document AI
Other: Client-Server Architecture, Networking Concepts, Performance Optimization

CERTIFICATIONS

- Machine Learning Specialization (Coursera / Stanford)
- Deep Learning Specialization (Coursera / deeplearning.ai)
- Natural Language Processing Specialization (Coursera / deeplearning.ai)
- Generative AI with Large Language Models (Coursera / AWS)
- Introduction to Web Development (Coursera / Meta)
- Version Control (Coursera / Meta)