

Adithya Sai Srinivas Mutta

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Education

Year	Degree	Institution/Board	CGPA / %
2023-2027	B.Tech, Computer Science and Engineering	National Institute of Technology, Andhra Pradesh	7.88*
2023	Class XII	Board of Intermediate Education of A.P	97.3%
2021	Class X	Board of Secondary Education of A.P	99.5%

*Till 5th Semester

Experience

Outlier AI

Freelance AI Trainer & Evaluator

Remote
Mar 2026 - Present

- Evaluated complex multi-turn LLM trajectories and provided structured Reinforcement Learning from Human Feedback (RLHF) to align model behavior for safety, accuracy, and relevance.
- Executed high-quality data annotation across multi-modal tasks (text, image, UI) to build robust datasets for supervised fine-tuning (SFT) and reward model training.
- Diagnosed edge cases, hallucinations, and logical inconsistencies in AI generated responses within a human in the loop pipeline, enhancing overall system reasoning capabilities.

ASTA Health Tech

Product Design Intern

Remote
Dec 2025 - Feb 2026

- Designed the end-to-end product experience for ASTA Health Tech, defining system logic and interface architecture to translate complex healthcare operations into intuitive, reliable software.

Technical Developer Intern

Feb 2025 - Dec 2025

- Built the official website using Next.js and React, implementing a modular component structure to ensure maintainability and high-performance deployment.
- Optimized site performance and visibility through advanced SEO strategies and WCAG compliant accessibility standards, validated via WAVE auditing tools.
- Developed and deployed responsive UI components using Tailwind CSS, reducing cross-device layout regressions and improving user retention metrics.

Skills

- Programming Languages:** Python, Java, C, C++, JavaScript, TypeScript, SQL
- AI & ML Concepts:** Supervised & Unsupervised Learning, Neural Networks, LLMs, RAG, Graph Neural Networks, Gaussian Mixture Models, Natural Language Processing, Transformers, Reinforcement Learning from Human Feedback, Generative AI
- ML Libraries & Frameworks:** LangChain, FAISS, MediaPipe, Scikit-learn, sentence-transformers, NumPy, Pandas, Matplotlib, SciPy, Seaborn
- Web Technologies:** React, Next.js, FastAPI, Node.js, Express.js, Tailwind CSS, Vite, shadcn/ui, JWT, REST APIs
- Databases & Cloud Platforms:** PostgreSQL, MongoDB, Redis, Firebase, Supabase, Vercel, Cloudflare, Azure
- DevOps, Testing & Monitoring:** Docker, Jenkins, SonarQube, Prometheus, Grafana, Pytest, Selenium, Jest
- UI/UX Design:** Prototyping, Wireframing, UX Research, Usability, Figma, Motion Graphics, After Effects, Adobe XD
- Tools & Platforms:** Git, GitHub, HuggingFace, Jira, Postman, Windows, Ubuntu, Google Analytics, WordPress

- **Methodologies & Practices:** Agile Methodology, Search Engine Optimization (SEO), Responsive Design, Accessibility

Projects

Graph Neural Networks Generalization Research (Academic Project)

Feb 2026 - Present

Mentor: Dr. Karthick Seshadri

- Performing an in-depth study of the research paper: "**Graph Neural Network Generalization with Gaussian Mixture Model Based Augmentation**" (Source: [OpenReview](#)).
- Investigating limitations of the **GRATIN** algorithm, specifically analyzing performance bounds on out of distribution (OOD) data and structural perturbations.
- Re-implementing GMM-based augmentation pipelines to validate generalization improvements and exploring architectural optimizations to address identified edge cases.

MarketValve - AI Copilot for the Indian Investor

Feb 2026 - Mar 2026

Developed for the ET Generative AI Hackathon Build Sprint

- Engineered a financial analysis platform using **Retrieval-Augmented Generation (RAG)** and **LangChain** to provide causal reasoning for market fluctuations across 5,000+ data points.
- Built a high-performance backend using **FastAPI** and **FAISS** vector database to process and retrieve real-time market news and historical financial trends.
- Designed an interactive dashboard with **Next.js** and **Recharts**, enabling users to visualize complex financial correlations and AI-generated market sentiment analysis.
- **Repo Link:** [Adithya-5369/marketvalve](#)

JEEWAN - Anti-Drug Awareness Platform (Academic Project)

Feb 2026 - Present

- Architected a scalable, 9-node microservices backend using **FastAPI** and **PostgreSQL**, orchestrated via **Docker** and **Kubernetes** to ensure high availability for critical SOS emergency routing.
- Developed a real-time **AR simulation** using **MediaPipe** to visually demonstrate the long-term physical effects of drug abuse, alongside an AI-powered conversational chatbot for crisis counseling.
- Established a robust **CI/CD pipeline** using **Jenkins** and **SonarQube** for automated quality gating, supported by comprehensive End-to-End (E2E) testing via **Pytest** and **Selenium**.
- **Repo Link:** [yaswanthanalala/Project-Jeewan](#)

Leave Automation System for NIT Andhra Pradesh (Academic Project)

Jan 2025 - Jun 2025

Guide: Dr. Karthick Seshadri

- Built a full stack leave management system ensuring data integrity across complex institutional hierarchies.
- Engineered a secure Role Based Access Control (RBAC) system with multi-tier approval workflows and implemented OTP based authentication to prevent unauthorized access.
- Optimized relational database schema and designed interactive data visualizations to identify administrative bottlenecks, streamlining the approval process for 100+ users.
- **Repo Link:** [Adithya-5369/Leave-Automation-System](#)

Real-Time Financial Data Dashboard

Jan 2025

- Developed a high-performance data visualization engine in Python to ingest and process real-time market feeds from external REST APIs.
- Leveraged NumPy for vectorized data manipulation, performing complex calculations like moving averages and metrics on time-series data with high computational efficiency.
- Implemented asynchronous data polling and live updates using Matplotlib, delivering low latency, actionable insights into market trends and stock performance.
- **Repo Link:** [Adithya-5369/RealTimeFinancialDataDashboard](#)

Achievements

- Built and scaled 2+ educational blogs to **3M+ total views and 40K+ monthly unique visitors** through SEO.
- Shortlisted for Finals in **Outlier AI's Frontend UI Code Hackathon 2025**.
- Advanced to and successfully completed the **Build Sprint (Phase 2)** of the ET Gen AI Hackathon.
- Represented I&E Cell, NIT Andhra Pradesh to emerge as **Finalists (60th Position)** in the **National Entrepreneurship Challenge (NEC) Advanced Track** conducted by E-Cell IIT Bombay (2025).
- Secured **All India Rank 605** in the Naukri Engineers' Ring of Honour Challenge (2025).
- Secured **98.27 Percentile (AIR 20,067)** in JEE Main 2023, ranking in the top 2% of over 1.1 million candidates.
- Achieved **Rank 2153** in AP EAMCET 2023, placing in the top 1% of over 2.2 lakh engineering candidates.

Awards and Scholarships

- Secured **Reliance Foundation Undergraduate Scholarship (2023-27)**.
- Awarded with the **Best Performer Award** by the Innovation and Entrepreneurship Cell, NIT Andhra Pradesh (2024).

Certifications

- **Cloud Computing** | NPTEL IIT Kharagpur (2025) [View Credential](#)
- **Step-by-Step SEO For Beginners: Boost Your Website** | Udemy (2025) [View Credential](#)
- **5 Day Gen AI Intensive Course** | Kaggle (2025) [View Credential](#)
- **Building Transformer-Based Natural Language Processing Applications** | NVIDIA (2025) [View Credential](#)
- **Fundamentals of Deep Learning** | NVIDIA (2025) [View Credential](#)
- **Mastering Data Structures & Algorithms using C and C++** | Udemy (2025) [View Credential](#)

Positions of Responsibility

Joint Secretary at Coding Club, NIT Andhra Pradesh

Oct 2025 - Apr 2026

A student driven community dedicated to fostering a collaborative coding culture and empowering students to build impactful solutions.

- Driving club initiatives by organizing coding contests, hackathons, and workshops while mentoring juniors in problem-solving and project building to foster a collaborative coding culture across campus.

Head of Design at I&E Cell, NIT Andhra Pradesh

Sep 2023 - Aug 2025

Official campus platform dedicated to nurturing innovative ideas, supporting budding entrepreneurs, and fostering an entrepreneurial spirit.

- Led a creative team to effectively promote club activities, connecting with a wider audience through strategic digital media and design leadership.
- Produced visually appealing promotional materials that effectively communicated the club's message, resulting in the **'Best Performer Award'** (2024).

Campus Ambassador at E-Cell, IIT Bombay

Jul 2024 - Dec 2024

Asia's largest student run entrepreneurship body, organizing flagship global initiatives like the E-Summit and the Eureka! business model competition.

- Spearheaded outreach campaigns at NIT Andhra Pradesh to promote flagship events, successfully driving student registrations and active engagement in national entrepreneurship drives.
- Acted as the primary liaison between IIT Bombay and local students, fostering a strong network of aspiring entrepreneurs and startup enthusiasts.

Lead Graphic Designer at TEDxNITAndhraPradesh

Jun 2024 - Dec 2024

An independently organized TED event that brings together regional thought leaders to share 'Ideas Worth Spreading'.

- Shaped the event's visual identity by designing a comprehensive range of creative assets, including branding elements and event slides.