Rohith Mariyala

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Summary

Computer Science and Engineering student with 8+ months of hands-on software development experience, specialised in AI-powered applications and full-stack development. Proficient in Python, JavaScript, and modern frameworks like FastAPI and React. Passionate about building impactful tech products, with a strong foundation in machine learning, cloud deployment, and DevOps.

Education

B-Tech. in Computer Science and Engineering   *Nov 2022 - Pursuing*

Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India
- 8.96 Aggregate CGPA

Intermediate Education   *Jun 2020 - July 2022*

Sri Sanjeevni Junior College, Hyderabad, India
- 94% score

Skills

- **Languages:** Python, Java, C, PostgreSQL, JavaScript,
- **Frameworks & Libraries:** React, FastAPI, Flask, Astro, Bootstrap, TensorFlow, Transformers, Scikit-learn
- **Tools & DevOps:** Git, Docker, AWS (Registrar, Route 53), CI/CD, CLI, Supabase
- **Concepts:** Object Oriented Programming, Agile, Machine Learning, Data Structures and Algorithms, Restful API
- **Languages Spoken:** English, Telugu, Hindi

Experience

Software Developer Intern | Orchestration Syndicate, Remote   *May 2024 - Dec 2024*

- Contributed to building the organisation's core product framework, developed the company's flagship demo product 'Climb' using the custom framework.
- Enhanced security by integrating OIDC authentication, optimising feature classes for a 20% reduction in login latency. Generated more than $10,000 in individual revenue with my contributions.
- Co-designed an AI product leveraging Apple ML-4M, contributing to a scalable machine learning pipeline for real-time data processing.

Projects

PolicyChat AI | https://policychat.rohithmariyala.com/   *Python, FastAPI, React, Supabase*

- Built an AI-powered chatbot using FastAPI and Google's Gemini API that interprets and answers user queries from complex policy documents (PDF, DOCX, PPTX), leveraging natural language understanding to provide accurate and context-aware responses.
- Implemented secure user session management and chat history tracking with Supabase, enabling personalized multi-session conversations, document upload, and seamless user experience within a responsive React (Vite) frontend.

LocalAI | github.com/mrohith29/localAI   *Python, HTML, Jinja, Docker*

- Built an offline AI interface using Ollama API, enabling text generation for users in remote areas without internet access.
- Designed a modular system with Jinja templates and CSS, bridging the digital divide for underserved communities.
- Deployed via Docker, ensuring portability and ease of use across diverse hardware setups.

Certifications

CCNA : Introduction to Networking - **Cisco**	*Feb 2025*
CCNA : Switches, Routers and Wireless Essentials - **Cisco**	*April 2025*
CCNA : Enterprise Networking, Security, and Automation - **Cisco**	*April 2025*
AWS Virtual Internship : Cloud Foundations - **AWS**	*Sept 2024*
NPTEL : Data Science for Engineers - **IIT Madras**	*Sept 2024*