PUTHA SAI ROHITH REDDY

📞 8317572650 ✉ rohith.putha1@gmail.com in linkedin.com/in/rohithsrr ⊙ github.com/rohithsrr

Professional Summary

Versatile Software Engineer with a strong foundation in software development, distributed systems, and AI/ML frameworks. Proven track record in designing scalable solutions, building automation tools, and contributing to open-ended platform engineering. Passionate about building meaningful tech solutions that are efficient, secure, and user-centric.

Technical Skills

Languages: Python, Java, C, JavaScript, SQL, Bash, HTML/CSS
Core CS: Data Structures, Algorithms, OOP, OS, Networking, DBMS, Computer Architecture
Systems: REST APIs, Microservices, Distributed Systems, Multithreading, Fault Tolerance
Frameworks/Tools: FastAPI, Flask, Streamlit, TensorFlow, Scikit-learn, OpenCV, Pandas, NumPy, Docker, Git
Cloud/DevOps: AWS, Google Cloud, Linux, SQLite
Practices: Agile, Secure Coding, Unit Testing, Debugging, Code Reviews, CI/CD

Education

Sri Venkateswara University College of Engineering, Tirupati
B.Tech in Electronics and Communication Engineering   **2021 − 2025**
CGPA: 8.11
Key Courses: Data Structures, Operating Systems, Networks, Machine Learning, Microcontrollers

Experience

AI Intern – Infosys Springboard   Feb 2025 – Mar 2025

- Built machine learning pipelines using TensorFlow and OpenCV.
- Improved model accuracy by 18% via hyperparameter tuning and modular deployment.
- Collaborated across teams to develop reusable components and scalable ML workflows.

AIML Intern – YBI Foundation   Feb 2025 – Apr 2025

- Developed internal ML tools using Scikit-learn, NumPy, and Python automation scripts.
- Increased F1-score by 21% by refining preprocessing and model pipelines.
- Contributed to debugging, code reviews, and secure framework development.

Projects

AnonTalk – Anonymous Telegram Chat Bot   Python, SQLite, Telegram API

- Engineered a fully distributed Telegram bot supporting anonymous chat with real-time matching.
- Ensured high availability using async I/O and persistent session storage.
- Integrated premium filters, modular codebase, and secure messaging.

Mediscan – Retinal Disease Classifier   Python, TensorFlow

- Achieved 92% accuracy using a custom CNN model with image augmentation and dropout layers.
- Deployed secure model pipeline emphasizing reproducibility and modularity.

AI Blogging Agent – Automated Publisher   Python, Gemini API

- Automated content publishing using Gemini + Blogger APIs with minimal user input.
- Integrated scheduling, prompt engineering, and secure token handling.

Weather App – Real-Time Forecast Tool   JavaScript, HTML/CSS

- Built a responsive UI app using OpenWeatherMap API with live data fetch.
- Designed with accessibility and modular frontend components.

Certifications

- AWS Cloud Practitioner – EdX
- Google Cloud: Intro to Generative AI
- Data to AI with Gemini and Gemma – Code Vipassana
- Python (Advanced), SQL (Advanced) – HackerRank
- Web Design Fundamentals – GUVI

Achievements

- Top 5% – NPTEL "Introduction to Machine Learning" (IIT Madras)
- Finalist – Lumen Quest Hackathon 2025 (AI/Innovation)
- Bronze Medalist – SIMO & SISO Olympiads (Math and Science)