Vathaluru Akhileswar Reddy

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Technical Skills

Languages: Go, C, C++, Java, JavaScript, Python
Frameworks: Spring Boot, FastAPI, LangGraph, React JSX
Databases: MySQL, PostgreSQL, MongoDB, Redis
Version Control: Git, GitHub, GitLab

Education

KL University   **Guntur, India**
Bachelor of Technology - Computer Science and Engineering (CGPA: 9.66)   *2021–2025*

Experience

Ideyalabs   **Hyderabad, India**
                                                                                                              2024–Present

→ Working as a Backend Developer, building scalable microservices using FastAPI and Spring Boot.

→ Developed secure RESTful APIs in Go for integration with the Hyperledger Fabric blockchain.

→ Designed and deployed smart contracts (chaincode) in Go to enforce complex business logic on-chain.

→ Led migration from a Corda-based blockchain system to Hyperledger, improving performance and interoperability.

Projects

Chat Bot: Developed a full-stack AI chat platform using React, Tailwind CSS, FastAPI, and LangGraph with OpenAI integration. Implemented persistent chat history, multi-threaded conversations, and modular backend architecture.

Budget Buddy: Designed a CLI-based finance assistant using LangGraph, GPT-4o, and SQLAlchemy. Enabled expense tracking, Tavily web search, and persistent memory via PostgreSQL.

Fitness AI Platform: Created a full-stack fitness tracking platform with AI-driven insights and analytics. Implemented user authentication and role management using Keycloak.

ClearBG (AI-Powered Background Removal Platform): Developed an AI-powered image processing tool with real-time background removal. Integrated Clerk authentication, Razorpay payments, and a microservice-based backend architecture.

Linklytics: Engineered a secure, scalable URL shortening platform with real-time analytics and encryption. Optimized for performance and user experience using a modern tech stack.

Real Estate Management System (Blockchain-Powered): Built a blockchain-based property management system using Hyperledger Fabric and Go. Implemented smart contracts, JWT authentication, and PostgreSQL-backed ledger storage.

Coding

LeetCode: Solved 530+ problems, strengthening core problem-solving and algorithmic skills.

GeeksforGeeks: Solved 300+ problems, demonstrating strong data structure and algorithm proficiency.

Coding Ninjas: Completed 260+ challenges, enhancing coding and problem-solving skills.

Certifications

Red Hat Certified Enterprise Application Developer (EX183): Technologies: Red Hat JBoss Enterprise Application Platform 7.0