G. Lokesh Reddy

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SKILLS

Languages: Java, Python, JavaScript, C, C++, SQL
Frontend: HTML5, CSS3, Tailwind CSS, React.js
Backend: Spring Boot, Node.js, Express.js
Databases: MySQL, PostgreSQL, MongoDB, Neo4j, Redis
Cloud & DevOps: AWS (EC2, S3), Docker, Basic Deployment
Core Concepts: Data Structures & Algorithms, OOPS, System Design Basics, SDLC, Multithreading
Tools: Git, GitHub, Maven, Postman, VS Code, Jupyter Notebook
Soft Skills: Problem-Solving, Analytical Thinking, Adaptability, Team Collaboration

PROJECTS

Real-Time Fraud Detection Dashboard

- Architected and developed a real-time fraud detection system using **Java 17, Spring Boot, and WebSocket** for live monitoring of e-commerce transactions.
- Built a lightweight neural network-based fraud classifier using **Deeplearning4j**, generating probability-based risk scores (0–1).
- Engineered an optimized backend pipeline using **Queue (LinkedList)**, **HashMap (O(1) caching)**, **PriorityQueue (max-heap alerts)**, and efficient search logic to reduce transaction lookup latency.
- Designed REST APIs and implemented real-time WebSocket streaming with reconnection handling for seamless data updates.
- Developed a responsive analytics dashboard using **HTML, CSS, JavaScript, Chart.js** to visualize fraud trends and transaction insights.
- Structured the application following complete SDLC phases: requirement analysis, design, implementation, testing, and documentation.

CERTIFICATIONS

- **AWS Academy Graduate – Cloud Architecting** — View Credential
- **AWS Academy Graduate – Cloud Foundations** — View Credential

ACHIEVEMENTS

- Built scalable backend systems integrating ML-based fraud detection with real-time streaming.
- Strengthened problem-solving skills by actively practicing Data Structures and Algorithms.
- Developed projects following industry-level coding standards and modular architecture.

EDUCATION

Vellore Institute of Technology AP — Andhra Pradesh
Bachelor of Technology - Computer Science and Engineering; CGPA: 7.92 — 2026 (Present)

Sri Abhida College — Andhra Pradesh
Intermediate (PCM); CGPA: 8.59 — 2023

Sri Chaitanya Techno School — Andhra Pradesh
SSC; CGPA: 10.00 — 2021