Luxmikant
Software Engineer - 2026 Graduate

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Professional Summary

I am a builder who builds systems that scale and tools that matter. I believe in taking full ownership of my work—meaning I don't just pick up tools, I master them deeply to push boundaries and exceed expectations. Combining a keen eye for detail with a passion for continuous learning, I love turning complex ideas into robust applications.

Education

Vellore Institute of Technology   **CGPA: 8.38 — 2022 – 2026**
B.Tech in Computer Science Engineering

Technical Skills

- **Programming:** Python, C++, Go.
- **Databases:** PostgreSQL, MongoDB, Redis — schema design, indexing, query optimization, DB-level aggregation.
- **Tools & Platforms:** Git, Docker, GitHub Actions, CI/CD, Apache Kafka, Azure App Service.

Projects

Support Ticket System — AI-Powered Analytics Platform   GitHub   Live Demo
Python, Django REST Framework, React, PostgreSQL, Google Gemini API, Docker, Nginx

- **Full-Stack Dashboard:** Built a live statistics dashboard with strict database-level constraints (PostgreSQL) to ensure 100% data accuracy and structured reporting.
- **AI Auto-Classification:** Integrated Google Gemini 1.5 Flash to automatically categorize incoming tickets in real-time, using optimized database queries and fallback logic to maintain reliability.
- **Robust Architecture:** Containerized the system using Docker and wrote 30+ unit tests to guarantee system stability, handle traffic smoothly, and manage API edge cases gracefully.

TraderLens-AI — Agentic Financial Intelligence System   GitHub   Live Demo
Python, FastAPI, LangGraph, ChromaDB, FinBERT, spaCy, Groq LLM

- **High-Speed Processing:** Developed an AI-driven pipeline that ingests and analyzes over 50 financial news articles per second with near-instant (sub-200ms) latency.
- **Accurate Information Retrieval:** Built a Hybrid RAG system with 95% precision that filters out duplicate news, ensuring the AI insights are based on clean, traceable data.
- **Financial Sentiment Analysis:** Used NLP models (FinBERT) to read unstructured news feeds and automatically calculate whether the news is positive or negative for specific companies.

SharCRM — Multi-Tenant CRM Application   GitHub   Live Demo
Node.js, Express, React, MongoDB, Google Gemini API, JWT

- **Secure Multi-Tenant Architecture:** Engineered a CRM supporting multiple organizations, using role-based access to ensure each company's data remains strictly isolated and protected.
- **Reliable API Design:** Built robust REST APIs capable of handling concurrent user requests safely, incorporating strict rate limiting and error handling to prevent system crashes.
- **AI Marketing Integration:** Embedded the Google Gemini API to automatically draft personalized marketing messages, streamlining user workflows and improving campaign engagement.

VitalFlow — Healthcare Analytics Dashboard   GitHub   Devpost
Python, Salesforce Apex, Tableau

- **Real-Time Analytics:** Created a data visualization dashboard that tracks live patient flow, helping hospital staff make fast, data-driven decisions on resource allocation.
- **Automated Alert System:** Reduced administrative delays by setting up automated Salesforce triggers that instantly notify medical staff when hospital resources need to be shifted.

Achievements & Certifications

- **Codeforces Specialist (Max Rating: 1496):** Solved 600+ algorithmic problems — strong abstract problem-solving and analytical reasoning under pressure.
- **Top 10 Finalist, HackByte 3.0:** Delivered a deployed healthcare analytics solution (VitalFlow) selected among 100+ competing teams.
- **Springer Nature Publication:** Co-authored a CNN-based Alzheimer's detection study achieving 92% classification accuracy.
- GitHub Foundation Certification — Applied Machine Learning — University of Michigan