

Luxmikant

Data Analyst 2026 Graduate

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Professional Summary

Computer Science undergraduate with strong foundations in SQL, Python, and data-driven system design. Experienced in database management, analytical pipeline development, and translating raw data into structured, business-relevant insights. Proven ability to perform root cause analysis, work independently under pressure, and collaborate across technical workstreams. Codeforces Specialist (1496) with 600+ problems solved.

Education

Vellore Institute of Technology

CGPA: 8.38 — 2022 – 2026

B.Tech in Computer Science Engineering

Technical Skills

- **Data & Analytics:** SQL (complex queries, joins, aggregations, window functions), statistical analysis, data visualization, reporting & dashboarding, root cause analysis.
- **Programming:** Python (pandas, NumPy), C++, Go, JavaScript, TypeScript.
- **Databases:** PostgreSQL, MongoDB, Redis — schema design, indexing, query optimization, DB-level aggregation.
- **Tools & Platforms:** Git, Docker, GitHub Actions, Tableau (basic), Apache Kafka, Azure App Service.
- **Core CS:** Data Structures & Algorithms, DBMS, Operating Systems.

Projects

Support Ticket System — AI-Powered Analytics Platform

🌐 GitHub

Python, Django REST Framework, React, PostgreSQL, Google Gemini API, Docker, Nginx

- Live statistics dashboard using PostgreSQL-level aggregation (`aggregate/annotate`) with DB-enforced `CheckConstraints` on all enum fields, enabling structured reporting with zero data integrity issues.
- Google Gemini 1.5 Flash integration for real-time ticket auto-classification with debounced API calls, keyword-based fallback logic, and 6 query optimization techniques for consistent analytical output.
- Containerized via Docker Compose with Nginx, Gunicorn, graceful shutdown handling, and 30+ unit tests across API endpoints, LLM parsing edge cases, and fallback classification paths.

TraderLens-AI — Agentic Financial Intelligence System

🌐 GitHub

Python, FastAPI, LangGraph, ChromaDB, FinBERT, spaCy, Groq LLM

- Multi-agent pipeline processing 50+ financial news articles/sec with sub-200ms latency, demonstrating large-scale structured data ingestion and analytical throughput.
- Hybrid RAG retrieval combining ChromaDB vector search with semantic deduplication (95% precision), ensuring traceable, clean data lineage per financial entity — analogous to data quality and documentation practices.
- Custom NLP module using FinBERT and spaCy to generate structured sentiment scores and impact signals from raw feeds, converting unstructured data into actionable business intelligence.

SharCRM — Multi-Tenant CRM Application

🌐 GitHub Live Demo

Node.js, Express, React, MongoDB, Google Gemini API, JWT

- Multi-tenant CRM with JWT authentication and role-based access control, enforcing secure data isolation and structured reporting across organizations.
- REST APIs with rate limiting, input validation, and structured error handling ensuring data integrity and reliability across concurrent client requests.
- Google Gemini API integration for automated personalized marketing message generation, embedding LLM-driven recommendations into campaign analytics workflows.

VitalFlow — Healthcare Analytics Dashboard

🌐 GitHub Devpost

Python, Salesforce Apex, Tableau

- Tableau dashboard visualizing real-time patient flow data, enabling data-driven decision-making for hospital resource allocation and operational reporting.
- Automated resource allocation alerts via Salesforce Apex triggers, reducing administrative delays through event-driven data workflows.

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