

SAKSHI SINGH

Delhi, India | Sakshitanwar2006@gmail.com | LinkedIn | GitHub | Portfolio

Objective

Computer Science undergraduate (AI Specialization, CGPA 9.13/10) with hands-on experience building and deploying full-stack AI systems – integrating large language models, retrieval-augmented generation, and production ML pipelines end to end. Skilled in FastAPI, LLM orchestration (Ollama, Llama 3, LLaVA), vector databases, and containerized deployment (Docker, Render, Vercel).

Education

Gautam Buddha University, Delhi

B.Tech, Computer Science & Engineering (AI Specialization)

2024 – 2028

CGPA: 9.13 / 10

Kendriya Vidyalaya No. 1, Delhi Cantt

Class 12: 85.2%

2021 – 2024

Class 10: 92.4%

Skills

- **AI/ML & LLM Engineering:** LLM Integration (Ollama, Llama 3, LLaVA), Retrieval-Augmented Generation (RAG), Prompt Engineering, Vector Databases (ChromaDB), scikit-learn, Random Forest, Model Deployment
- **Backend & APIs:** FastAPI, Flask, RESTful API Design, JWT Authentication, Docker
- **Data Management:** SQL, PostgreSQL, MongoDB, NeonDB, ChromaDB, Database Design
- **Data Analysis:** Python, Pandas, NumPy, Jupyter Notebook, Exploratory Data Analysis (EDA), Anomaly & Outlier Detection
- **Tools:** Git, GitHub, Docker, Jupyter Notebook

Project Experience

FinWise – Personal Finance Analysis Dashboard [GitHub]

Flask, Python, Pandas, Chart.js

- Analyzed 3 months of personal transaction data using Python and Pandas, cleaning and structuring financial records to generate spending, savings, and financial-health indicators across 125 transactions.
- Implemented anomaly detection to identify 2 unusual transactions and quantified spending behavior, including category-level patterns where shopping accounted for 45.5% of total expenses.
- Built an interactive dashboard with 6+ analytical views covering monthly, weekly, and daily spending trends, category breakdowns, savings, and spending rate, with AI-generated alerts translating quantitative findings into actionable insights.

AI-Based Resume Screening Platform [GitHub]

FastAPI, PostgreSQL, Docker

- Integrated Llama 3 via Ollama to power automated resume-to-job-description screening, with prompt design tuned for consistent structured scoring output
- Built a PostgreSQL-backed system with JWT authentication and bcrypt-hashed credentials to persist per-user screening history and session data
- Deployed and debugged the full data pipeline end-to-end using Docker, Render, and Vercel, resolving cross-origin and environment-configuration issues independently.

Certifications

- Deloitte – Data Analytics Job Simulation
- AWS Cloud Practitioner Essentials
- IBM: Build RAG Applications

Achievements

- Maintained a 9+ CGPA throughout the Computer Science (AI) program.
- Selected participant, HackerRank 24-Hour Hackathon – built a multimodal system to classify and route text, image, and voice data under time constraints.

Languages

English (Professional) — Hindi (Native)