VIGYAT SINGH

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Professional Summary

AI Engineer skilled in automated data pipelines, browser-native agentic systems, and production ML deployment. Strong in Python, FastAPI, LLM integrations, and full-stack engineering with React/TypeScript. Focused on scalable, reliable, developer-friendly AI tooling.

Experience

Data Science Intern — EdFoal Services Pvt. Ltd.   *Jan 2025 – Jun 2025*
Noida, India

- Optimized preprocessing for 100K+ records, reducing pipeline runtime by **20%**.
- Performed EDA across multi-source datasets, improving model accuracy by **15%**.
- Built automated dashboards reducing reporting workload from 2 hours to **45 minutes**.

Projects

Multi-Agent Data Orchestrator(DataForge AI)   *Live — GitHub*
Tech: React, TypeScript, Gemini 2.5 Pro, Python, Pandas

- Architected a serverless agentic data platform automating EDA, cleaning, profiling, and dataset export fully in-browser.
- Engineered a text-to-pipeline engine converting natural language into executable transformations, reproducible Python code, and downloadable ML-ready datasets.
- Built multi-agent orchestration (intent routing, reasoning, generative code synthesis) enabling rapid conversion of raw CSVs into production-grade features.

JobPilot — Job Aggregation & Ranking Platform   *Live — GitHub*
Tech: PostgreSQL, Express, Node.js, React, Supabase

- Engineered a job-ingestion pipeline scraping listings from LinkedIn, Indeed, Internshala, and career portals into a unified Postgres datastore.
- Built a high-performance search and ranking layer supporting keyword, geo-based, and role-specific filtering across aggregated listings.
- Integrated Supabase caching and deduplication logic, reducing redundant scraping/API calls by **80%** and improving responsiveness.

Student Exam Performance Predictor   *GitHub*
Tech: Flask, Docker, AWS, Scikit-learn

- Built a classification model achieving **85%+ accuracy**, outperforming baselines by **12%**.
- Containerized and deployed on AWS for scalable, low-latency inference.

Skills

Languages: Python, JavaScript, TypeScript, Java, C++
AI/ML: LLMs, PyTorch, Scikit-learn, NLP, RAG Systems
Backend: FastAPI, Flask, Node.js, REST APIs, Docker
Data: Pandas, NumPy, Feature Engineering, EDA
Databases: PostgreSQL, Supabase, MongoDB, Vector DBs
DevOps: AWS, Vercel, Render, CI/CD, Git
Frontend: React, Next.js, TailwindCSS

Education

KIIT University, Bhubaneswar   *2022 – 2026*
B.Tech in Computer Science and Engineering

Additional

Achievements: Poster Winner — IIT Kharagpur (2024); 2nd — Launchpad Quiz (2024); 1st — Badminton (2021–23)
Extracurriculars: Java Developers Association; Independent Music Artist (YouTube)