

VIGYAT SINGH

📍 Kolkata, India

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PROFESSIONAL SUMMARY

ML/AI Engineer specializing in automated data pipelines, agentic systems, and full-stack deployment. Combines statistical analysis and predictive modeling with production-grade software engineering to build scalable AI solutions. Proficient in Python, FastAPI, and React/TypeScript, bridging the gap between raw data insights and reliable, user-facing applications.

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, and dataset export fully in-browser.
- Engineered a text-to-pipeline engine converting natural language into executable transformations and Python code.
- Built multi-agent orchestration (intent routing, reasoning) enabling rapid conversion of raw CSVs into 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, and Internshala into a unified Postgres datastore.
- Built a high-performance search ranking layer supporting keyword, geo-based, and role-specific filtering.
- Integrated Supabase caching/deduplication, reducing redundant scraping calls by **80%** and improving responsiveness.

BookMiner — Web Scraping & EDA Pipeline

[GitHub](#)

Tech: Python, BeautifulSoup, Requests, Pandas

- Built a web-scraping pipeline converting raw HTML pages into a structured dataset of book pricing and metadata.
- Implemented a data-processing workflow combining parsed pages into a unified cleaned CSV with normalized metrics.
- Performed EDA to study price distributions and rating–value correlations, producing visual insights into trends.

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

ACHIEVEMENTS

- **Achievements:** Poster Winner — IIT Kharagpur (2024); 2nd — Launchpad Quiz (2024); 1st — Badminton (2021–23)