

# VIGYAT SINGH

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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

Jan 2025 – Jun 2025

EdFool Services Pvt. Ltd.

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

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