

Raj Odedara

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PROFILE

Third-year undergraduate in AI & Data Science at KJ Somaiya Institute of Technology. Shipped a live SaaS platform with UPI payment integration, a FinBERT-powered multi-signal trading engine, and a production Windows desktop app all as solo projects. Seeking Software Engineering or AI/ML internships where I can contribute immediately.

EDUCATION

KJ Somaiya Institute of Technology

B.Tech in Artificial Intelligence & Data Science | CGPA: 9.18

Mumbai, India

Expected 2028

TECHNICAL SKILLS

Languages: Python, C, C++, Java, JavaScript

Frameworks & Libraries: FastAPI, React.js, Streamlit, PyQt6, NumPy, Pandas, Plotly, Django, Tailwind CSS, Scikit-learn

AI / ML / NLP: Machine Learning, NLP, FinBERT, Gemini AI, Sentiment Analysis

Databases & Cloud: PostgreSQL, Supabase, SQL

Tools & Concepts: Git, REST API Design, Full-Stack Development, Data Visualization, Win32 API, GeoJSON, PyInstaller

PROJECTS

Origin Eats | *React, Vite, Supabase, Tailwind CSS, GeoJSON*

[GitHub](#)

- Built GeoJSON-powered restaurant density heatmaps across Mumbai's 24 wards, indexing 500+ data points to surface competitor density and market opportunity layers.
- Engineered a rule-based AI recommendation engine scoring restaurant venture success probability by analysing location demand, competitor pricing, and cuisine trends.
- Deployed end-to-end with authentication, subscription lifecycle management, UPI integration, coupon system, and real-time data queries.

Stock Pulse | *FastAPI, Streamlit, FinBERT, Plotly, Pandas, yfinance*

[GitHub](#)

- Architected a multi-signal trading intelligence system fusing FinBERT sentiment (30%), technical indicators RSI, MACD, Bollinger Bands (25%), and Polymarket crowd data (45%) into BUY/SELL/HOLD verdicts with 0–1 confidence scoring.
- Designed 5 FastAPI REST endpoints with TTL caching for OHLCV history, indicators, and Polymarket data; integrated FinBERT for real-time financial headline classification.
- Built interactive Plotly dashboards with candlestick/area/line charts overlaid with SMA 7/21/50, Bollinger Bands, and volume coloring for visual signal interpretation.

Synapse | *PyQt6, Win32 API, pywin32, ctypes, PyInstaller*

[GitHub](#)

- Built a universal productivity launcher with real-time search, AI integrations, clipboard manager, OCR, and system controls, enabling seamless multitasking and faster workflows.
- Integrated high-performance file search using Voidtools "Everything" SDK with smart filtering, categorized results, and debouncing for optimized responsiveness.
- Developed advanced window management system (tiling, layouts, multi-monitor support, hotkeys) and system-level utilities using PyQt6 and Windows APIs.

Courier Service DBMS | *Python, Tkinter, PostgreSQL, Supabase*

- Identified manual booking inefficiencies from direct operational experience; built a full GUI app automating end-to-end courier booking, billing, and record management.
- Implemented advanced SQL filtering (ILIKE, date ranges), CSV/Excel export, thermal printer integration, and real-time autocomplete for sender/receiver lookup.

EXPERIENCE

Operational & Accounting Assistant

Family-Run Courier Office

Jun 2025 – Jul 2025

Mumbai, India

- Managed daily booking data entry, billing records, and transaction reconciliation; identified workflow inefficiencies that directly motivated the Courier DBMS project above.