

Viraj Sawant

Full Stack Developer

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PROFILE

Python Full Stack Developer with hands-on experience building web applications using Python, FastAPI, Django, React.js, Node.js, MySQL, and MongoDB. Skilled in developing REST APIs, integrating LLMs, and building MCP (Model Context Protocol) servers, while expanding my knowledge in Generative AI, Prompt Engineering, and RAG.

SKILLS

Languages : Python, JavaScript, SQL

Frontend : React.js, CSS

Backend : FastAPI, Django, Flask, Node.js, Express.js

Libraries : Pandas, NumPy, Matplotlib, Seaborn

Databases & Tools : MySQL, Oracle, MongoDB, Git/GitHub, Postman, Vercel

Concepts : MVT Architecture, SaaS Methodology, Agile, REST APIs, Authentication & Authorization

EXPERIENCE

Full-Stack Developer - RepliQ Automations | Part Time

Sept 2025 - Jan 2026

- Architected and shipped a full-stack SaaS platform from concept to production using Next.js and MongoDB, owning the product lifecycle end-to-end.
- Built Instagram Graph API automation workflows and chatbots, cutting average response time from 10 min to under 30 sec across 200+ daily customer interactions.
- Integrated Razorpay for secure recurring subscriptions and automated billing, and drove performance optimization and vertical scaling as usage grew.

PROJECTS

Track Line - Multi-Service AI Chatbot (MCP Runtime) | [\[Github\]](#)

[React.js, Vite, Node.js, Express, FastAPI, FastMCP, MongoDB, Gemini SDK]

- Architected an AI-powered Order Tracking Assistant using Next.js, Express.js, FastMCP, and MongoDB, integrating Gemini 2.5 Flash via MCP for automatic tool calling supporting 5+ MCP tools across order lookup, tracking, and status queries.
- Bridged Gemini function calling with a FastAPI based MCP tool server through an Express.js host layer, enabling natural-language shipment tracking and order retrieval over Streamable HTTP for real-time, multi-turn execution.
- Built a production ready backend with Better Auth, Redis caching, rate limiting, modular REST APIs, and centralized error handling, and enforcing 20 req/min rate limits to improve security and scalability.

Nutri-Track AI-Based Nutrition Detection System

[Python, Flask, MySQL, YOLOv8, Ollama, Groq]

- Built an AI-powered food recognition system using YOLOv8, achieving 75–80% food detection accuracy with 3–5% variance in nutritional estimation.
- Developed backend modules with Flask and MySQL for calorie estimation, meal tracking, BMI analysis, and user health data management.
- Integrated Ollama and Groq LLMs to provide AI-powered nutrition coaching, personalized dietary recommendations, and health insights.

CERTIFICATIONS

- Programming in Python — NPTEL (Score: 75%) (May 2024) [Certificate](#)
- Web Development Using HTML CSS — (Oct-Nov 2023) [Certificate](#)
- Barclays Life Skills Programme — (June 2025) [Certificate](#)
- Fundamentals of UI/UX Design By Udemy — (Aug 2025) [Certificate](#)

EDUCATION

Sanjeevan Group of Institutions Panhala, Maharashtra

2022 - 2026

Bachelor of Technology in Computer Science and Engineering

New English School & Jr. College of Science Shirala, Maharashtra

2020 – 2022

H.S.C