

SAMIKSHA PATIL

Full-Stack Developer · Backend-Focused Developer · AI-Integrated Systems

patilsamiksha179@gmail.com · Mumbai, India · [Portfolio](#) · github.com/sammiksha · linkedin.com/in/sammikshapatil

PROFESSIONAL SUMMARY

BSc Information Technology graduate from Mumbai University with a strong foundation in full-stack development and AI-powered systems. Experienced in React.js, FastAPI, PostgreSQL, and cloud technologies, with hands-on project work involving AI content detection, plagiarism analysis, and backend engineering. Currently upskilling in NLP Engineering, Large Language Models (LLMs), and machine learning, with a focus on building intelligent, scalable AI applications.

TECHNICAL SKILLS

Languages Python · JavaScript · SQL · Java · C# · C++

Frontend React.js · HTML5 · CSS3 · Tailwind CSS · Bootstrap

Backend & APIs FastAPI · REST APIs · JWT Authentication · ASP.NET (Basics)

Databases & Cloud PostgreSQL · Firebase · SQL Server · AWS S3

AI / ML Plagiarism Detection · AI-Content Analysis · Scikit-learn · Classification Models · Data Preprocessing

Tools Git · GitHub · Postman · VS Code · SSMS · API Testing · Debugging · Deployment

Deployment Vercel · Render · Firebase Hosting · AWS S3

PROJECTS

EduShield — AI-Powered Academic Integrity Platform | *React.js · FastAPI · PostgreSQL · AWS S3* [GITHUB](#)

- Built a full-stack platform enabling faculty to create classrooms, upload assignments, and evaluate student submissions through automated plagiarism and AI-generated content detection.
- Designed role-based authentication with separate dashboards for students and faculty, secure access control, and submission tracking across multiple user types.
- Built RESTful APIs with FastAPI, modelled a PostgreSQL schema covering user management, assignment workflows, and document metadata, and integrated AWS S3 for cloud document storage.
- Engineered document upload, processing, and evaluation pipelines for automated submission analysis and structured reporting.

StockAI — Stock Market Analysis Platform | *React.js · FastAPI · Firebase* [Stock-Analysis](#) [GITHUB](#)

- Developed a stock market analysis platform integrating multiple third-party financial APIs for real-time market insights and technical indicators.
- Built dynamic React.js frontend with interactive charting dashboards; implemented user authentication and cloud data persistence via Firebase.
- Designed FastAPI backend workflows with rate-limit handling, API validation, and structured error management across all endpoints.

NoteBloom — Study Notebook Web App | *HTML5 · CSS3 · JavaScript* [notebloom](#) [GITHUB](#)

CS50x Final Project

- Built a browser-based study notebook with multi-notebook management, persistent local storage, and a customisable writing environment — font selection, paper styles, ink colours, and theme switching.
- Deployed via GitHub Pages with zero external dependencies; pure vanilla JS.

SevaSetu v2 — Volunteer & Resource Management Platform | *React.js · Firebase* [Seva-Setu](#) [GITHUB](#)

- Built a volunteer coordination and resource allocation platform in a two-member team, contributing to frontend architecture and Firebase real-time sync under hackathon constraints.

EDUCATION

Bachelor of Science in Information Technology (BSc IT)

Mumbai University, Mumbai, India · Semester 5 GPA: 9.2 / 10 · Semester 6 GPA: 9.8 · CGPI:9.15 · Expected April 2026

HACKATHONS & ACTIVITIES

Hack@Skill (Google Solution Challenge) — Developed SevaSetu v2 as part of a two-member team delivering a full end-to-end product under hackathon constraints.

CS50x: Introduction to Computer Science — Harvard University

Learned computer science fundamentals including algorithms, data structures, C, Python, SQL, web development, and software engineering.

LANGUAGES

English · Hindi · Marathi