

# SAMARTH SAXENA

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## SUMMARY

Full-stack + AI developer with hands-on experience building MERN applications, multi-agent AI prototypes, and end-to-end platforms. Top-40 finalist at a national hackathon (250+ teams). Skilled in Python, C++, backend engineering, and LLM-driven workflows; passionate about creating practical AI tools and scalable systems.

## EDUCATION

**B.Tech, Information Technology** Graduating 2026

Institute: Acropolis Institute of Technology and Research, Indore, Madhya Pradesh, India

University: Rajiv Gandhi Proudyogiki Vishwavidyalaya (R.G.P.V)

Relevant coursework: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks, Database Management Systems, Software Engineering, Artificial Intelligence

## TECHNICAL SKILLS

**Programming Languages:** Python, C++, JavaScript, SQL

**Web Technologies and Frameworks:** React, Next.js, Node.js (Express), Flask, HTML5, CSS3

**Databases:** MongoDB, PostgreSQL

**Developer Tools and Platforms:** VS Code, Git, GitHub, Figma, LLM APIs

## RELEVANT EXPERIENCE

**Kriyeta 4.0 Hackathon, National Level, India: Team Leader**

Apr 2025

- Ranked among the top 40 teams (out of 250+) nationwide after a multi-stage screening.
- Led a team of 5 to engineer an agentic AI prototype automating hospital workflows using multi-agent coordination.
- Directed development, task delegation, and technical documentation; delivered final demo to industry experts.
- Developed the Flask + PostgreSQL backend and AutoGen-driven multi-agent system, for reliable task handling.

## PROJECTS

**AI Study Partner & Notes Assistant**

Apr 2025 – Jun 2025

- Engineered an AI tool that converts study materials into concise, searchable notes.
- Developed an LLM-powered engine to generate summaries, key points, and structured revision content.
- Designed a clean upload interface for processing PDF/text inputs and retrieving personalized outputs.
- Tech stack: MERN, Python, vector search, and LLM APIs.

**E-Commerce Platform for Digital Products (MERN Stack)**

Aug 2024 - Oct 2024

- Developed a platform for users to list, sell, and securely deliver reusable digital assets.
- Implemented role-based authentication and secure digital delivery using JWTs on a Node.js/Express backend.
- Designed a seller dashboard for uploads, product listings, checkout flow, order tracking, and sales management.
- Integrated payments via Stripe API integration and maintained order history for ~50 mock users via MongoDB.

## CERTIFICATIONS

- Introduction to Computer Graphics** – NPTEL
- CS50x: Introduction to Computer Science** – Harvard University

## ACTIVITIES & EXTRACURRICULARS

**Tech-O-Tsav 2025 | AI-Fusion Event | Tech Team Lead (Event Leadership Role)**

Led the tech team for the two-day event at the college tech festival, managing logistics, content, and coordination.

- Managed a 6-person tech team to organize AI-Fusion, the largest event among multiple events at Tech-O-Tsav, involving 500+ participants over two days.
- Prepared technical content and presentations, ensuring smooth execution of the event.

**Senior Diploma in Tabla (Hindustani Classical Music)**

Awarded by Prayag Sangeet Samiti, Allahabad, after 5+ years of formal training and performances. Demonstrated discipline, rhythm, and teamwork through regular recitals.