

SWAPNIL PATIL

Full Stack Engineer

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[LinkedIn](#) | [Portfolio](#) | [Github](#)

SUMMARY

Third-year B.Tech student at SPPU and **Full Stack Developer** with strong **AI integration skills**, experienced in building and delivering scalable web applications from scratch. **9X hackathon winner**.

EXPERIENCE

SDE Intern | Zeta

Nov 2025 – Jan 2026

- Built and scaled an internal AI-powered meeting intelligence product to support **50+ concurrent bots**, delivering real-time transcription with **<0.8s latency** and **100+ language support**.
- Architected a low-latency real-time pipeline using **WebSockets**, **Redis** and **BullMQ** enabling automated bot joins, transcription, summary generation and participant delivery.
- Deployed and operated the platform on **AWS**, integrating **calendar and email workflows** (GCP, Azure), and built a **Chrome extension** + **web dashboard** for centralized control and customization.

SKILLS

TECHNICAL SKILLS React, Next.js, Node.js, Python, C++, TypeScript, WebSockets, BullMQ, PostgreSQL, MongoDB, Redis, Prisma, Tailwind CSS, Docker, AWS, GCP, Git, REST APIs, CI/CD

LANGUAGES English, Hindi, Marathi

INTERESTS Designing, Research

PROJECTS

MasterG | Offline AI Education Platform [Link](#)

- Built a **100% offline**, multilingual AI education platform supporting **22+ Indian languages**, optimized for low-resource devices (**4–8GB RAM**)
- Implemented on-device AI inference using **local LLMs**, **OCR**, **vector search** and **RAG** without any cloud dependency
- Developed **web + mobile** apps featuring AI whiteboard, multilingual chat, content generation, and offline learning workflows

Legal-E | Modern AI Tools for Legal Practice [Link](#)

- Built a full-stack legal AI system enabling **document analysis**, **summarization** and **AI-assisted drafting** across **PDF, DOC, DOCX, and TXT** formats.
- Designed a **dual-agent (A2A) architecture** where each AI agent represents a specialized legal expert, enabling context-aware legal consultations and clause-level reasoning.
- Integrated **Google Calendar** and **Google Docs** for seamless scheduling, document access, and collaboration, along with secure document sharing and real-time AI streaming.

AWARDS

Winner

EduThon – Techfest IIT Bombay (29th Edition)

Awarded for building a fully offline AI education platform supporting 22+ Indian languages, selected from **1,500+ teams**.

Runner-Up

Tem-(E)-Thon - Temenos

Recognized for an Ethical AI banking solution focused on **bias mitigation** and **explainable decision-making**.

Top 105 Teams

Google Solution Challenge

Ranked among the Top 105 teams nationwide out of **64,000+ registrations** and **3,700+ submissions**.

EDUCATION

Aug '23 — Present | Pune, India

BTech in CSE, Savitribai Phule Pune University

July '21 — April '23 | Kolhapur, India

Higher Secondary Education in Science, Jawahar Navodaya Vidyalaya (JNV)