Abhishek Patil

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EXPERIENCE

Tata Consultancy Services (TCS)   **Mumbai**
Software Engineering Intern   **Jun 2025 – Aug 2025**

- Built and optimized **scalable APIs** using Python/Node.js, reducing system latency by 25%.
- Collaborated on enterprise-grade solutions with focus on **reliability, clean structure, and maintainability**.

Advizy.in   **Mumbai**
Frontend Developer   **Oct 2024 – Jun 2025**

- Integrated APIs for authentication, payments, and analytics, improving system reliability.
- Enhanced dashboards and workflows, leading to a **20% increase in user engagement**.

PowerPlantFoods Pvt. Ltd.   **Mumbai**
Full Stack Developer Intern   **Jun 2023 – Aug 2023**

- Developed and deployed **production-ready applications** supporting real-time user data.
- Optimized backend APIs with caching and indexing, reducing response time by 30%.

PROJECTS

HealthAI – Rural Symptom Guidance & Follow-Up Platform Nation-Level Finalist — Live Demo

- Designed an **AI-driven healthcare platform** with multilingual support, reminders (SMS/WhatsApp), and NGO dashboards.
- Implemented **retrieval-based insights** using Gemini AI + FastAPI microservices.
- Tech Stack: React.js, Node.js, MongoDB, FastAPI, Gemini AI, Twilio, AWS.

Blood Donation & Emergency Finder Platform

- Built full-stack platform for donor-hospital-patient matching with **real-time availability** and **Google Maps API**.
- Integrated **AI donor recommendations & predictive heatmaps** to boost engagement and reliability.
- Tech Stack: React.js, Node.js, FastAPI, MongoDB, Gemini AI, Twilio, Google Maps.

Secure Group Chat Application

- Developed a **real-time encrypted chat system** using Node.js, Socket.io, and MongoDB.
- Focused on **scalability, concurrency, and security**.

EDUCATION

Bachelor of Technology (B.Tech), Computer Engineering
Shah and Anchor Engineering College, Mumbai   **2024 – 2027**
CGPA: 9.05/10

Diploma in Computer Engineering
Vidyalankar Polytechnic, Mumbai   **2021 – 2024**
Percentage: 93%

Core Skills

Programming: Python, C/C++, Java, C# (basic), SQL
AI/GenAI: RAG, LangChain, Prompt Engineering, Gemini AI, Azure AI (basic)
Backend: FastAPI, Node.js, Express.js, REST API Development
Databases: MongoDB, PostgreSQL, SQL, Vector DB basics (pgvector)
Cloud/Infra: AWS, Azure, Docker, Git, CI/CD, Postman
Concepts: Data Structures & Algorithms, System Design, Scalability, Testing (QA, automated)

Achievements

- **Winner**, VP Techshala Hackathon – developed secure chat system aligned with enterprise security practices.

- **Runner-up**, State-Level Project Competition – scalable API-driven signage system.

- **National Finalist**, Ideathon – AI-driven rural healthcare platform impacting real communities.

- Consistent practice of **DSA on LeetCode**, improving coding speed and problem-solving.

Extracurricular

- Conducted peer sessions on **DSA, AI/LLMs, and backend development**.

- Active hackathon participant; specialized in **AI + full-stack solutions**.

- Volunteer in community tech workshops and coding initiatives.

Professional Summary

Motivated **Computer Engineering graduate** skilled in **Python, FastAPI, SQL, and AI integration**, with hands-on experience building **RAG-enabled applications, APIs, and AI-powered platforms**. Strong foundation in **data structures, algorithms, and backend development**. Experienced with **LangChain, Azure AI, and vector DB concepts**. Eager to contribute as a **GenAI Engineer at Newfold Digital**, shipping production-ready agentic features that improve SMB web-presence platforms.