

ABHAY KATRE

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PROFESSIONAL SUMMARY

Third-year Computer Science student with knowledge in Python, Java, and SQL. Passionate about building web applications with clean UI/UX design. Quick learner eager to apply technical skills in real-world projects and grow through hands-on experience.

EDUCATION

Bachelor of Technology in Computer Science Engineering

S. B. Jain Institute of Technology, Management and Research, Nagpur | Expected: May 2027

TECHNICAL SKILLS

Programming Languages: Python, Java

Web Development: HTML5, CSS3, JavaScript, React.js, Tailwind CSS, Responsive Design

Databases & SQL: SQL, Database Design

Tools & Technologies: Git, GitHub, Vercel, Netlify, CI/CD, Version Control

PROJECTS

HealthQ – Clinical AI Platform

HackWhack 3.0 (24-Hour Hackathon), SBJITMR Nagpur | Team Abhiyanta | 2nd Runner Up (450+ participants) | 2026

- Developed clinical AI platform built from scratch in 24 hours designed to reduce hospital chaos and improve patient experience
- Key features: AI Health Chatbot and Smart Triage, Live Wait-Time Prediction and Dynamic Queue Management, Smart Emergency Routing, Doctor Command Center Dashboard, Secure Authentication and Real-Time Database
- Tech Stack: Frontend (React, Tailwind CSS, Vite), Backend and Auth (Supabase with PostgreSQL and Realtime DB), AI (Groq Cloud API and OpenAI)
- Delivered production-ready solution within tight 24-hour deadline through effective team collaboration and rapid iteration

GitHub: <https://github.com/abhaykatre-dev/health-q>

Helping Hand – Community Impact Platform

TechMentorX Hackathon, PCE Nagpur | Team Abhiyanta | Shortlisted Top 30 (70+ teams) | 2026

- Built full-stack community platform using React.js, Node.js, Express.js, and Supabase PostgreSQL connecting volunteers with social impact initiatives; deployed on Vercel
- Designed interactive India map with real-time visualization, geotagging system with automated GPS capture, and reverse geocoding for precise location tracking
- Developed professional admin dashboard with CRUD operations, JWT authentication, and real-time notification system using Tailwind CSS and Material UI
- Collaborated in 5-member team; received Judges' Choice recognition for strong concept and real-world social impact

GitHub: <https://github.com/abhaykatre-dev/techmentorx-team-abhiyanta>

LEADERSHIP & ACTIVITIES

Tech Co-Lead, AlgoZenith Committee | SBJITMR, Nagpur | 2025 – Present

CERTIFICATIONS

- Python Programming – LearnX Platform
- SQL (Basic) – HackerRank | Certificate: <https://www.hackerrank.com/certificates/9482136958b9>