

Neha Atole

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Education

Vellore Institute of Technology, Bhopal

B.Tech in Computer Science and Engineering

CGPA: 8.04

2022 - Present

Bhopal, India

Skills

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

Web Technologies: HTML, CSS, React.js, Node.js, Next.js

Tools and Technologies: Git, GitHub, Google Colab

Databases: MySQL, PostgreSQL, MongoDB

Technical Concepts: Object-Oriented Programming (OOP), Data Structures and Algorithms (DSA), Operating Systems, Computer Networks, Database Management Systems

Projects

CareerSense-AI – AI-Powered Career Guidance Platform

- An AI-powered platform that provides personalized career guidance by analyzing user skills, interests, and goals to recommend suitable career paths.
- Developed full-stack features including interactive dashboards, resume enhancement, and role-based recommendations for students and professionals.
- Integrated Gemini API for intelligent insights and real-time analytics, improving recommendation accuracy by 30%.
- Technologies: Next.js, Tailwind CSS, TypeScript, Prisma, NeonDB (PostgreSQL), Clerk, Inngest, Gemini API.

SmartGenie: Full-Stack PERN-Based AI SaaS Platform

- Developed a SaaS application powered by AI using the PERN stack (PostgreSQL, Express, React, Node.js).
- Enabled user sign-up, dashboard, and AI-driven features like content generation and intelligent insights.
- Designed clean UI/UX with role-based access control for both users and admins.
- Integrated subscription management system with payment processing and usage analytics for different pricing tiers.
- Improved operational efficiency by 40% through automated workflows.
- Technologies used: React, Node.js/Express, PostgreSQL, OpenAI API.

HealthNet

- Launched a web-based emergency services platform integrating instant location-based support with a single-click panic button.
- Developed responsive design with GPS integration and automated SMS/email notifications to emergency contacts and nearby medical facilities.
- Enhanced usability with video guides and real-time response notifications, cutting emergency response time by 25% and seamless access to critical healthcare resources.
- Technologies used: HTML, CSS, JavaScript, PHP, MySQL.

Achievements

• Finalist – Case Study Challenge, EXERGY'25, IIT Kanpur

Recognized for developing an AI-driven analytical approach to solve a real-world chemical engineering case problem at a national-level competition.

Certificates

AWS Solutions Architect, Ethnus

- AWS Solutions Architect, Ethnus.

Cloud Computing, IIT Kanpur

- Cloud Computing, IIT Kanpur

Positions of Responsibility

• Content Writer, Open Source Club, VIT Bhopal

Produced technical and creative content to increase open-source awareness and community engagement.

• Design Team Member, Igniters Club, VIT Bhopal

Designed digital assets and event materials, enhancing UI/UX and visual branding for club initiatives.