Khushi Malviya

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EDUCATION

Vellore Institute of Technology

Bhopal, India

B. Tech in Computer Science and Engineering; CGPA: 7.94/10

2022 – 2026 (Expected)

Coursework: Data Structures and Algorithms, Software Engineering, OOP, DBMS, Operating Systems, Mobile Application Development

SKILLS SUMMARY

- **Languages:** HTML, CSS, JavaScript, JAVA, Python
- **Frameworks and Libraries:** React.js, Node.js, Express.js, Tailwind CSS, NumPy, Pandas
- **Databases:** MongoDB, SQL
- **Platform and Tools:** Windows, MATLAB, Simulink, AWS, Postman, Vite, Git/GitHub, VS Code
- **Soft Skills:** Problem-solving, Teamwork, Rapport Building, Excellent communication, Adaptability, Leadership

EXPERIENCE

Industrial Experiential Learning Program

VIT Bhopal University | Bangalore & Chennai

September 2024

- Developed C++ programs on Raspberry Pi Pico microcontroller to control LED patterns and display outputs, gaining hands-on experience in embedded systems and IoT
- Explored Machine Learning applications including predictive models and AI-driven app architecture through industry workshops at tech companies.
- Gained exposure to Industry 4.0 technologies, electric vehicle systems, and telecommunications infrastructure through visits to HAL, TVS, BSNL, and Preprod Corp.
- Enhanced team collaboration and technical communication skills through group projects and interactive sessions with industry professionals.

PROJECTS

- **Disaster Sync — Emergency Management Platform | LINK**

October 2025
  - Designed and developed a comprehensive real-time system easing emergency incident management for police, fire, disaster response, and other agencies.
  - Implemented secure user authentication with role-based access, robust incident tracking, volunteer task assignment, and real-time status updates via WebSocket (Socket.io).
  - Integrated alert & notification broadcasting, inventory and supply chain monitoring with request workflows to optimize resource allocation.
  - Leveraged modern tech stack: React, Node.js, Express, MongoDB Atlas, JWT, and Tailwind CSS for scalable, secure, and responsive application.
  - Enhanced disaster response efficiency by streamlining communication, resource management, and volunteer coordination, prioritizing life-saving outcomes.
- **Car Rental — Secure Car Rental platform| LINK**

August 2025
  - Developed a MERN stack car rental platform with JWT-based user authentication, car listings featuring location and date selection, and a secure booking system.
  - Implemented an admin dashboard for inventory and booking management, optimized media delivery using ImageKit, and deployed via Vercel.
  - Engineered a responsive, mobile-first design using Tailwind CSS, enhancing user experience and ensuring cross-browser compatibility.
- **Survey Master — Survey Creation and Analytics Platform| LINK**

April 2025
  - Developed a MERN stack web application for creating, distributing, and analyzing surveys with real-time updates and analytics.
  - Integrated user authentication, owner dashboard, user management, and survey management features with an appealing responsive design.
  - Improved data collection efficiency.

CERTIFICATIONS

- Full-stack developer (MERN) – Smartbridge, 2025
- MongoDB Node.js developer path – Smartbridge, 2025
- Postman API Fundamentals Student Expert Badge – Postman, 2024
- Data Structures & Algorithms using Java – Infosys Springboard, 2025
- DevOps, Agile & Design Thinking – IBM SkillsBuild, 2025
- Cloud Computing, Marketing Analytics – NPTEL, 2024
- Product Management Basics – Pendo, 2025

ACTIVITIES & INTERESTS

- Trained classical singer and YouTube creator sharing cover songs.
- Event Minister, IPS Bhopal (2021 to 2022) – Organized and executed school-wide events.
- Social Media and LinkedIn Manager at Studio Atmorph.
- Volunteer experience – Registration and management team member of 6th Annual Convocation held at VIT Bhopal University.