# Nehal Vyas

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## Education

**VIT Bhopal University**                                                                          Bhopal, Madhya Pradesh
Major in Computer Science;                                                                       2022 – Ongoing
Minors in E-commerce Technology                                                          Cumulative CGPA: 8.21/10

## Additional

**Technical Skills**: Java , React.js, DSA, Web Development, Excel, UI & UX
**Languages:** Fluent in Hindi, English
**Certifications & Training:** MERN Full Stack Development(SmartBridge), AWS Certification Coursera , Adobe UI&UX (Ethnus) UI&UX Certification (Internshala), Graphic Designing (Coursera)

## Projects

**UrbanEye (Surveillence System) | NextJs React**                                                      **April 2025**
- Engineered a full-stack web application to manage city-wide surveillance cameras, integrating Leaflet.js for real-time map visualization and enhancing operational oversight for city officials.
- Secured the platform with Clerk-based user authentication and architected a robust backend using MongoDB and Mongoose, ensuring safe and scalable data access for multiple user roles.
- Optimized large-scale data processing aggregation pipelines and integrated mongoose-aggregate-paginate, reducing query latency and enabling smooth navigation through hundreds of camera records.

**Blood Donation Website |Full Stack**                                                                          **Sep 2024**
- Developed a fully responsive blood donation web platform featuring modular components like form handling, eligibility criteria, donation steps, and awareness sections
- Built a dynamic donor registration workflow with form validation and Axios-based API integration to seamlessly transmit user data to a backend endpoint, replicating real-world production behavior beyond static form submissions
- Designed a purpose-driven platform focused on social impact, combining emotionally engaging content with actionable user flows such as appointment scheduling and eligibility screening to drive user participation.

**Resume Builder |HTML5, CSS3, JavaScript**                                                                          **Dec 2023**
- Developed web-based resume builder a responsive, browser-based resume editor with real-time formatting, section reordering, and live preview to streamline the resume creation process
- Integrated dynamic features like section toggling and PDF export optimization improving user workflow. Prioritized privacy and accessibility by removing login/signup requirements — ensuring that users can generate professional resumes instantly in-browser.
- Developed a template-customizable rich text editor integrating features like bullets, indentation, cut/copy, and undo, all dynamically handled via DOM manipulation. Implemented and styled a responsive, distraction-free UI using Bootstrap to enhance usability and maintain visual consistency.

## Extracurricular

- Orchestrated software development workshops and contributed to discussion and initiative in financial technology and website development of the fintech club
- Contributed in a college Fest by being a part of Event management team.

## Achievements

- Secured prestigious recognition by achieving Rank 2 at the national level in Singapore for classical dancing, demonstrating exceptional talent and dedication.
- Basketball Tournament runner national level competition held in Indore.
- Gold Medalist in Inter School Debate competition.
- Badminton tournament runner up in inter-school competition held in Indore