DEEKSHA KUSHWAHA

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EDUCATION

Vellore Institute of Technology Bhopal University, Bhopal **2022 – 2026**
B. Tech in Computer Science and Engineering CGPA – 8.97
Allenhouse Public School, Kanpur **2021**
Class XII PCM-94.2%
Allenhouse Public School, Kanpur **2019**
Class X 95.5%

TECHNICAL SKILLS

- **Language:** C++, Python
- **Technologies:** HTML, Tailwind CSS, React.js, Node.js, MySQL, MongoDB
- **Tools/ Frameworks :** Git & GitHub, Figma, Dockers

PROJECTS

File Vault Website | *React.js, PostgreSQL, Go, Docker* | Link **Aug 2025 – Sept 2025**

- Architected a secure, full-stack file vault with a core content-based duplication system, which intelligently identified and handled duplicate files to significantly reduce storage overhead.
- Designed and built a scalable backend API to manage the complete file lifecycle, featuring secure sharing controls, per-user rate limiting, and configurable storage quotas to ensure system stability.
- Developed a modern, responsive frontend with an intuitive interface, featuring multi-file drag-and-drop uploads and a powerful advanced search and filtering system for an enhanced user experience.

Campus Auction Website | *MERN Stack, Python* **Jan 2025 – Mar 2025**

- Spearheaded a team of 9 developers in the end-to-end development of a MERN-stack campus auction platform, overseeing project planning, task delegation, and final deployment.
- Engineered the platform's core real-time bidding system using Node.js, Express.js and MongoDB, while handling over 100 concurrent bid submissions.
- Implemented a computer vision feature to automatically detect and reject blurry images, reducing low-quality listings by 30% and enhancing user trust.

Smart Campus Navigation System | *Python, Folium* **May 2024 – Oct 2024**

- Built an interactive campus navigation system using Python, Pandas, and Folium to visualize routes and key locations across the college grounds, reducing student travel time between classes by an average of 20%.
- Integrated an indoor navigation module to map and display precise pathways within buildings, guiding users to 20+ facilities like washrooms and water coolers.
- Developed a "Free Classroom Finder" by processing college timetable data, enabling students to instantly locate and navigate to vacant rooms for studying.

EXTRA-CURRICULAR ACTIVITIES

- **Student Teacher, Teaching Team, Pi Mathematics Association**, **Mar 2024 – Present**
  Mentored and instructed over 30 students in advanced mathematics, leading weekly workshops and conducting interactive Q&A sessions to resolve individual doubts.
- **Core Team Member, Anime Club** **Dec 2024 – July 2025**
  Coordinated the planning and execution of large-scale club events, managing logistics and digital promotions to consistently attract attendance exceeding 100 participants and boost club engagement.

ACHIEVEMENTS

- Semifinalist, Nokia Accelerate Her 2025: Reached the semi-final stage of this competitive national coding hackathon.
- SIH 2024 College Round Semi-Finalist: Contributed by building a dataset of early plant disease detection by analyzing environmental factors and imagery for a ML model.