Deeksha Kushwaha

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Education

Vellore Institute of Technology Bhopal University, Bhopal	**2022 - 2026**
B. Tech in Computer Science and Engineering	CGPA – 8.96
Allenhouse Public School, Kanpur	**2021**
Class XII	PCM-94.2%
Allenhouse Public School, Kanpur	**2019**
Class X	96%

Technical Skills

- **Programing Language:** C++, Python
- **Technologies:** HTML, CSS,React.js, Node.js, MySQL
- **Tools/ Frameworks :** Git, GitHub

Projects

Campus Auction Website | *MERN Stack (MongoDB, Express.js, React, Node.js)*   Jan 2025 – Mar 2025
- Led a team of 9 to develop a full-stack campus auction platform enabling 1000+ students to list, bid, and purchase second-hand items.
- Built and deployed a scalable bidding system using Node.js, MongoDB, and React, handling 50+ concurrent bids per item and enhancing real-time interactivity.
- Managed end-to-end development, including API integration and deployment, achieving 100% sprint goal completion and reducing dev time by 25%.

Taskly | *Android Studio, Java, XML*   Feb 2025
- Built a task management app in 1 week with add, update, delete, and complete task features using MVVM architecture and SQLite for offline storage.
- Integrated a real-time home screen widget to manage up to 10+ tasks without launching the app, boosting user productivity.
- Designed a responsive, fast-loading UI with XML layouts, supporting 90%+ Android screen resolutions and achieving load times under 1.5 seconds.

Algorithmic Maze Solver | *Tech Stack: C++, Data Structures (Stack), Algorithms (DFS)*   Dec 2024
- Developed a C++ application to solve complex mazes by implementing the Depth-First Search (DFS) algorithm with a stack-based approach.
- Engineered a path-reconstruction module that backtracks from the exit to display a single, optimal path, unlike naive implementations that show all explored routes.
- Created a console-based visualization to display the maze and the final path, providing clear feedback on the algorithm's solution.

Achievements and Extra-Curriculars

- Core Member, Teaching Team, Pi Mathematics Association, VIT Bhopal University (Mar 2024 - Present): Instructed over 20 students in advanced mathematics concepts.
- Core Member, Web Development Team, Anime Club, VIT Bhopal University (Mar 2024 - Ongoing): Organized multiple events with attendance exceeding 100 participants.
- 3D Modeling Enthusiast: Designed and created more than 15 3D models using Nomad Sculpt, specializing in characters and objects for digital art and concept work.

Certifications

- Marketing Analytics by NPTEL, Score 77%, Jan- Apr 2025
- FullStack Developer MERN by Smartbridge, Score 96.8, Jan-Apr 2025
- Devops, Agile and Design Thinking by IBM Career Education, Jan-Apr 2025
- Cloud Computing by NPTEL, Score 87% (top 2% of the class), Jan - Apr 2024