RITI SINHA

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EDUCATION

Vellore Institute of Technology, Bhopal   Expected Graduation : **May 2026**
Btech, Computer Science and Engineering   Current CGPA - **9.02/10**
- **Courses :** Computer Networks, Operating Systems, DSA

Delhi Public School, Pune   **April 2022**
12th CBSE Boards   **GPA - 9.0/10**

PROJECTS

CocoCode (December 2024 -Present)
- Developed an online platform to practice data structures, algorithms, and programming
- Leveraged **React.js** to create an intuitive user interface, enhancing user engagement and ease of navigation.
- **Utilized Node.js and Express.js** to build scalable RESTful APIs for handling user authentication, submissions, and problem management.
- Increased performance by 30-40% faster server response times.
- Implemented a modular backend structure to enhance scalability and maintainability for future feature expansions

RideRental (February 2024 - May 2024)
- Utilised **React Native** for a seamless, cross-platform user interface.
- Implemented backend services using **Node.js** and **Express.js** with a **MongoDB** database.
- Optimised backend services with ExpressJS, achieving a 40% decrease in server response times, a 30% boost in API efficiency, and cutting system downtime by 50%.
- Minimised platform-specific problems by 25%, highlighting React Native's effectiveness in delivering a consistent experience across various devices.

Mouse-i (December 2023 - January 2024)
- Created an innovative project focusing on cursor movement based on eye tracking.
- Leveraged Python libraries such as CV2 and Mediapipe for implementation.
- Achieved an accuracy of 85% in eye-tracking, offering a hands-free navigation solution for 10+ use cases.
- Difficulty: Easy to Intermediate

WORK EXPERIENCE

iOS Club — *Developers Team Member*
October 2023 - Present
- Supported on-site event management for Techastra, handling 100-250 attendees.
- Coordinated with the team to create 2-3 prototypes and 5+ proposals using Figma.

CERTIFICATIONS AND SKILLS

- Getting Started with DevOps on AWS - Jan 2025
- Introduction to Data Analytics (IBM)- June 2024
- C++ Programming Certification (Udemy): May 2024
- Java, HTML/CSS, JavaScript, C++, Python, mySQL, data structures, algorithms, MondoDB

ADDITIONAL

- Participated in CodeBrews Hackathon - Jul 2024
- Participated in GFG160 days - Nov 2024
- ACM - Athena Hackathon Finalist - Dec 2023
- Participated in Google Cloud Arcade cloud Skill Boost - Mar 2024
- Participated in Skills Boost Arcade Base Camp - Feb 2025