KHUSHI KUMARI

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Education

Vellore Institute of Technology   **October 2022 − May 2026**

BTech in Computer Science (Spec. in Cyber Security and Digital Forensic) (CGPA: 8.30)

Technical Skills

Languages: Java, Python, HTML, CSS, JavaScript
Frameworks/Libraries: Bootstrap, ReactJS, Node.js, Express.js
Databases: MySQL, MongoDB
Relevant Subjects: Database Management System, Object-Oriented Programming, Operating System
Tools/Technologies: Git, GitHub

Projects

MedTech |*HTML, Tailwind CSS, React JS, MongoDB, ExpressJS, NodeJS, REST API*
- Built a secure medical portal enabling doctors to instantly access patients' medical history.
- Developed JWT-based authentication and role-based access control for secure data handling.
- Implemented encrypted payment processing and improved system reliability through optimized API structure.

Real-Time Video Calling Web App |*HTML, CSS, JavaScript, Node.js, Express.js, WebRTC, Socket.io*
- Created a real-time video calling platform using **WebRTC** for peer-to-peer streaming and **Socket.io** for signaling.
- Designed a responsive and user-friendly UI using HTML, CSS, and JavaScript.
- Developed backend with Node.js and Express.js to manage signaling server and session initialization.
- Enhanced real-time performance and connection stability with efficient use of WebRTC APIs and event-driven architecture.
- GitHub: https://github.com/Khushikumari2/videoCalling.git

ColorMe – AI-Based Color Tone Analyzer | *HTML, CSS, JavaScript, Python, Flask, Web APIs, FileReader, Canvas API*
- Created an AI-powered application to analyze user-uploaded or webcam images for **seasonal color classification**.
- Implemented drag-and-drop upload, camera integration, and animated previews for enhanced UX.
- Built a Flask backend for image processing using **PIL**, returning accurate color palettes and recommendations.
- Integrated dynamic results using **Fetch API** and FormData for efficient client-server communication.

Achievements

- Complete 200 days of coding in LeetCode, Solved 400+ DSA questions on GeeksforGeeks and LeetCode
- Completed AI-based vocational training at **Tata Steel Ltd.**, working on **"MedTech – A Secure Healthcare Platform"** (Dec 2024 –Feb 2025)
- Successfully qualified **both Round 1 and Round 2** of **TCS CodeVita Season 13**, competing among thousands of global participants.

Certifications

- Vocational Training in Artificial Intelligence – Tata Steel Ltd (by SNTI) --- (Dec-2024 to Feb 2025)
- Tata Data Visualization (Forage) - Designed actionable data dashboards and presented client-centered insights to drive strategic business decisions.

Extracurricular Activities

- Event Management Team Lead at UX Club.
- Organized and conducted many college events on College Fest and Managed the crowd of 200+ students.

Hobbies

- Reading self-help books
- Listening to music
- Playing badminton