

# KSHITIJ MANDAL

## Vellore Institute of Technology, Bhopal

@ kshitijmandal1803@gmail.com

📍 Jamshedpur, Jharkhand - India

in <https://www.linkedin.com/in/kshitij-mandal/>

## EXPERIENCE

### SDE Intern

#### ITJOBXS

📅 Oct 2024 – Dec 2024      📍 Remote

- Contributed to the design and development of a fully responsive web interface for a specific section of itjobxs.com.
- Engineered solutions for user verification and authentication, addressing challenges in detecting and eliminating fake bots and posts.
- Integrated Google reCAPTCHA to enhance website security and protect against automated threats.
- Technologies Used: HTML, CSS, JavaScript, Bootstrap, PHP, MySQL.

## ACHIEVEMENTS

- Successfully shortlisted for the prestigious Solve'A'Thon competition held at VIT Chennai. Secured the 1st position among participants from VIT Bhopal Campus.
- CodeChef Rating - 1529 | Global Rank : 190 - Starters 164 2024
- 5 star badge in Java and Python on HackerRank.
- Solved 200+ DSA problems on various coding platforms
- Created more than 10 application for Android using Kotlin with Jetpack Compose.

## TECHNICAL SKILLS

- Programming Languages: C,C++,Java,Python,JavaScript, CSS, HTML,Kotlin.
- Frameworks: React JS,Node JS,Jetpack Compose.
- Database: SQL,MongoDB,DBMS,MYSQL,OOPs.
- Other Skills: Data Structure,Algorithms,Problem Solving
- Tools: MATLAB,Tableau,OpenCV,MS Office,Firebase

## PERSONAL SKILLS

- Having Leadership Qualities.
- Ability to work under pressure.
- Comfortable Working Independently.
- Ability to take initiative to solve problems.

## LINKS

- LinkedIn - <https://www.linkedin.com/in/kshitij-mandal/>
- CodeChef - [https://www.codechef.com/users/i\\_am\\_horizon](https://www.codechef.com/users/i_am_horizon)
- LeetCode - [https://leetcode.com/u/kshitij\\_1803/](https://leetcode.com/u/kshitij_1803/)

## EDUCATION

### B.Tech. (CSE) - 8.9 CGPA

#### Vellore Institute of Technology, Bhopal

📅 September 2022 – Currently

### Higher Secondary - 89%

#### Maharashtra State Board of Secondary and Higher Secondary Education (MSBSHSE)

📅 2021

### Secondary - 87%

#### Indian Certificate of Secondary Education (ICSE)

📅 2019

## PROJECTS

### BlogHub: Create, Share, Connect

- Developed a blogging platform enabling users to create, edit, and comment on posts. Focused on user authentication, CRUD operations, and integrated a rich text editor for enhanced post creation. Designed to provide a seamless user experience with efficient content management and real-time interaction features.
- Tech Stack: HTML, CSS, JavaScript, Node.js, MongoDB, Rich Text Editor Integration

### ChatMate: Real-Time Messaging App

- Developed a real-time messaging app using Jetpack Compose for Android. Implemented user authentication, chat functionalities, push notifications, and media sharing. Emphasized intuitive UI/UX design, smooth responsiveness, and efficient backend integration for real-time communication.
- Tech Stack: Jetpack Compose, Firebase, Kotlin, Real-time Database, Push Notifications

### Hand Sign Recognition

- Developed a system that interprets American Sign Language (ASL) gestures captured via webcam and converts them into text in real-time, enabling effective communication for deaf individuals. Utilized image processing and gesture detection techniques for accurate recognition.
- Tech Stack: Python, OpenCV, Scilab Image Processing, Webcam Integration

### Gesture-Based Mouse Control

- Created a system to control mouse functions using hand gestures captured via webcam, employing gesture detection and motion tracking for real-time interaction. Optimized for seamless performance, enhancing HCI capabilities.
- Tech Stack: Python, OpenCV, Scilab Image Processing, Webcam Integration