KSHITIJ MANDAL

Vellore Institute of Technology, Bhopal

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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

TECHNICAL SKILLS

- Programming Languages: Java,Python,JavaScript, CSS, HTML.
- Frameworks: Django.
- Database: SQL,DBMS,MYSQL,OOPs.
- Other Skills: Data Structure,Algorithms,Problem Solving
- Tools: MATLAB,Tableau,OpenCV,MS Office,

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
- LeetCode - 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

Qurious – Anonymous Q&A Web Platform

- Built a feature-rich web application that allows users to post questions and respond anonymously. Designed a clean and user-friendly interface with a dynamic highlights section on the homepage. Implemented core functionalities like question threads, anonymous replies, and responsive content display.
- Tech Stack
  - **Backend:** Django (Python)
  - **Frontend:** HTML, Tailwind CSS
  - **Database:** SQLite (or any other database used in the project)
  - **Other Tools:** Django Signals, Forms, Templates

ASL to Text Converter – Real-time Sign Language Recognition

- Developed a real-time system for converting ASL gestures into text using a custom dataset and CNN model. The model detects A-Z gestures and distinguishes between confusing signs. Integrated the trained model with a Python GUI for live gesture recognition and text display.
- Tech Stack: **Backend:** Python, TensorFlow, Keras | **Computer Vision:** OpenCV | **Image Processing:** Pillow | **Spell Checking:** spellchecker | **Frontend:** Tkinter | **Data Handling:** NumPy

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