

Kshitij Mandal

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EDUCATION

B.Tech – Computer Science with specialization in Artificial Intelligence and Machine Learning Vellore Institute of Technology, Bhopal GPA – 8.91	Sept 2022 - Current
Higher Secondary Maharashtra State Board of Secondary and Higher Secondary Education (MSBSHSE) Percentage – 89	2021
Secondary Indian Certificate of Secondary Education (ICSE) Percentage - 87	2019

SKILLS SUMMARY

- **Languages:** Java, Python, JavaScript, CSS, HTML
- **Frameworks:** Django
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code, IntelliJ IDEA
- **Database:** SQL, DBMS, MYSQL, OOPS
- **Other Skills:** Data Structure, Algorithms, Problem Solving
- **Tools :**MATLAB, Tableau, OpenCV, MS Office

WORK EXPERIENCE

SDE INTERN ITJOBXS	October 2024 - December 2024
<ul style="list-style-type: none">◦ 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.	

PROJECTS

Qurious – Anonymous Q&A Web Platform LINK	April 2024
<ul style="list-style-type: none">◦ 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, Other Tools: Django Signals, Forms, Templates.	
ASL to Text Converter LINK	February 2024
<ul style="list-style-type: none">◦ 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 LINK	March 2024
<ul style="list-style-type: none">◦ 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	

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