Vatsal Mistry

7567000814 | vatsalmistry206@gmail.com | GitHub | LinkedIn

EDUCATION

Degree/Certificate	Institute/Board	GPA/Percentage	Year
B.E.(IT)	L.D. College of Engineering, Ahmedabad,Gujarat	7.94	2025
Senior Secondary	A B Higher Secondary School,Navsari,Gujarat[GSEB]	88%	2021
Secondary	A B Higher Secondary School,Navsari,Gujarat[GSEB]	87%	2019

EXPERIENCE

Adis Technologies - Intern January 2025 – Present

- Assisted in developing and deploying Python-based web applications. Designed and integrated APIs to enhance system functionality. Managed database operations for efficient data handling. Optimized code to improve performance and reliability. Collaborated in Agile teams, contributing to project planning and execution.

Infolabz IT Services - Intern June 2024 – July 2024

- Gained hands-on experience in Data Analytics and Machine Learning principles. Worked with API data, leveraging Pandas for analysis and Matplotlib for visualization. Implemented elementary regression models to derive insights from data.

PROJECTS

One District, One Product | *React.js, Express.js, Django, MongoDB, Bootstrap 5, jQuery, Ajax, and Google Maps for web development and data handling.*| **Link** : https://github.com/mistryvatsal22/One-District-One-Product.git

• Developed a web application using the MERN stack, enabling users to discover local products by selecting their state and district on an interactive map.

• Built a React-based frontend for seamless navigation and a Node.js/Express backend to manage product data stored in MongoDB, promoting local businesses.

Virtual Mouse| *Python, OpenCV, MediaPipe, NumPy, and PyAutoGUI for real-time hand tracking and gesture-based mouse control.*

•Developed a virtual mouse using Python and OpenCV, enabling users to control the cursor through hand gestures for actions like movement, clicking, and scrolling.

• Implemented computer vision techniques to detect hand landmarks, process gestures, and map them to mouse functions, enhancing gesture-based user interaction.

Driver Drowsiness Detection System | *Python, OpenCV, Dlib, NumPy, and a webcam to track facial landmarks, detect eye closure using the eye aspect ratio, and trigger real-time alerts for road safety.*

• Developed a driver drowsiness detection system using Python and OpenCV to monitor facial landmarks and detect signs of fatigue based on eye aspect ratio.

• Implemented real-time alerts to notify drivers when prolonged eye closure is detected, enhancing road safety through computer vision techniques

SKILLS

- **Programming Languages:** Python, C, Java
- **Tools:** GitHub, VS Code
- **Web Technologies:** HTML5, CSS3, JavaScript (ES6+), Node.js
- **Databases:** MongoDB, MySQL
- **Frameworks/Libraries:** Bootstrap, Numpy, Pandas, Matplotlib, Django
- **Concepts:** Data Structures and Algorithms, Object-Oriented Programming,

POSITIONS OF RESPONSIBILITY

Student Coordinator, Code Wars, Lakshya May 2023

- Led coordination efforts for Code Wars, a tech event conducted by Lakshya, ensuring smooth execution and participant engagement. Managed event logistics, facilitated communication between teams, and contributed to enhancing the overall experience for participants.

ACHIEVEMENTS

- Participated in the C Workshop at INN-O-SPARK, a state-level event organized by the Innovator Club, L.D. College of Engineering (Oct 2021).
- SIH Hackathon 2023 Participant
- Certificate in MongoDB: Introduction to MongoDB – Simplilearn (Feb 2025)
- Certificate in SQL: Learn SQL using MySQL and Database Design – Scaler Topics (Feb 2025)