

# VATSAL MISTRY

Contact: +91-7567000814; | Email: [vatsalmistry206@gmail.com](mailto:vatsalmistry206@gmail.com) | [LinkedIn](#) | [GitHub](#)

## CORE COMPETENCIES

\* Software Development Life Cycle (SDLC) \* Data Structures and Algorithms \* Debugging and Performance Optimization  
\* API Development and Integration \* Database Management \* Team Collaboration and Agile Methodologies \* Problem Solving and Critical Thinking

## KEY TECHNICAL CAPABILITIES

- Strong proficiency in Python and Java for software development.
- Expertise in designing and optimizing database solutions using MySQL and MongoDB.
- Hands-on experience in building and deploying web applications with HTML, CSS, JavaScript, and NodeJS.
- Proficient in developing web applications using Django.

## SOFT SKILLS

\* Problem-Solving Skills \* Strong Leadership & Influence Abilities \* Analytical & Critical Thinking \* Strong Negotiating Skills \* Emotional Intelligence \* Adaptability

## PROFESSIONAL EXPERIENCE

### ADIS TECHNOLOGIES AS A PYTHON DEVELOPER

January 2025 - Present

#### Key Result Areas:

- Assisted in the development, testing, and deployment of software applications. Designed and developed web applications using Python and modern frameworks. Integrated APIs and managed database operations to enhance system functionality. Debugged and optimized code for improved performance and reliability. Collaborated in Agile teams, contributing to project planning and execution.

### INFOLABZ TI SERVICES AS A DATA ANALYTICS INTERN

June 2024- July 2024

#### Impressive Achievements:

- 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.

## EDUCATION

- 2021-2025: **Bachelor of Engineering (Information Technology)** from L.D. College of Engineering, Ahmedabad, Gujarat, India with a CGPA of 7.94.
- 2019-2021: **Higher Secondary Education** from A.B. Higher Secondary School, Navsari, Gujarat, India with a score of 90.61%.

## 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)

## ACADEMIC PROJECTS

### 1. Driver Drowsiness Detection System

**Description:** Built a driver fatigue monitoring system using Python and OpenCV that tracks facial landmarks, especially eye movements, to detect drowsiness and provide real-time alerts to prevent accidents.

**Technologies Used:** Python, OpenCV, Numpy.

### 2. One District, One Product

**GitHub Link :** <https://github.com/mistryvatsal22/One-District-One-Product.git>

**Description:** This MERN stack web application helps users find local products within their district. By selecting a state and district on the website's map, users can view all available local product options in their area.

**Technologies Used:** MongoDB, Express.js, React.js, Node.js, Leaflet.js (for interactive maps), REST API, JavaScript, HTML, CSS.

### 3. Virtual Mouse

**Description:** Created a Python virtual mouse with OpenCV that lets users control movement, clicking, and scrolling through hand gestures.

**Technologies Used:** Python, OpenCV, MediaPipe, NumPy, PyAutoGUI..

