

Mehul Singh

Bhopal, Madhya Pradesh-462041 | 7389098839 | mehulsingh076@gmail.com

[LinkedIn](#) | [GitHub](#)

Aspiring Software Developer with over 8 months of experience in frontend development and 4 months in full-stack development, actively seeking SDE internship opportunities. Proficient in the MERN stack, JavaScript frameworks, and cloud technologies, complemented by a solid foundation in machine learning. Dedicated to continuous learning and collaboration, I aim to contribute to impactful projects within a dynamic team environment.

SKILLS

- **Programming Languages:** C, C++, Python, HTML, CSS, JavaScript, SQL
- **Frameworks :** Node.js, Express.js, React, Next.js, Flask
- **Tools:** Docker, Git, GitHub, Postman, PyTorch, NumPy and Pandas Scikit-learn, MATLAB, Autodesk Inventor, Firebase.

PROJECTS

- **Quiztify: Advanced Quiz Platform** | Machine Learning | MERN stack [ongoing]
 - AI-powered quiz platform with personalized quiz generation, performance analytics, and admin dashboard.
 - Wide range of quiz topics to choose from calculates score and suggests improvement areas.
 - The pattern recognition model identifies common areas of interest and suggests more quiz of the same kind. JWT holds user data authenticated and safe. Firebase for authentication has been used.
 - Great platform to test our learning and improve weak points.
- **Margdarshak: Smart Traffic Management System** | Machine Learning | Next JS | Flask [ongoing]
 - Intelligent traffic management system using machine learning algorithms like Round Robin scheduling to calculate and assign green light durations based on real-time traffic density and Weighted Field Queue for prioritizing vehicle flow.
 - Provides real-time data from traffic cameras and adjusts traffic light timings based on congestion levels.
 - Automatically alerts emergency services in case of accidents, optimizing traffic flow and enhancing urban mobility.
 - Also created a website to look after the working of the model, camera view is also available with real time data.
- **AirGlobe: Interactive Air platform** | Next Js | Open Weather API | [Project Link](#) [Aug'24]
 - An app that provides real-time global air quality and atmospheric conditions.
 - Featuring an interactive map from leaflet JS .
 - Detailed regional data with the use of openweather API and coordinate mapping.
 - Used Email JS for subscription of newsletter in website, provides hourly update of the subscribed city.
- **BetterMent : Marks Analysis App** | MERN stack | Oracle DBMS | [Project Link](#) [Aug'24]
 - An app that analyzes student performance and calculates grades based on scores while identifying subjects needing improvement.
 - Features custom JWT authentication in JavaScript. With encrypted passwords for safety.
 - Stores data in Oracle DB for quick retrieval, ensuring seamless frontend and backend connectivity.

Achievements & Certifications

- **Achievements**
 - 3rd place in Firefox Club's Anti-Ragging Frontend Hackathon.
 - 2nd place in Content Writing Hackathon hosted by Nescafé India
 - 2nd place in CodeForMore's Frontend Hackathon.
- **Certifications**
 - Coursera: HTML, CSS, and JavaScript for Web Developers {2SC2C2CSAKL7}
 - Vityarthi AIML {100617239237757021}
 - LinkedIn: Python Programming {ASjQyihyqRTmuGIInuoEBpdyQBRH4}

EDUCATION

Vellore Institute of Technology, Bhopal, Madhya Pradesh, India
Bachelor of Technology in Computer Science- 8.32 CGPA

July 2022-June 2026