

MOHAMAD NAVEED H

SOFTWARE ENGINEER

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OBJECTIVE

Aspiring Software Engineer with strong skills in Python, Mongo DB and MySQL, passionate about developing scalable applications and data-driven solutions. Enthusiastic about leveraging knowledge in data science, machine learning, and full-stack development to build innovative, user-centric products and contribute to impactful projects.

ACADEMIC HISTORY

Agni College of Technology | 2022-2026

- Bachelor of Computer Science and Engineering
- CGPA - 7.87(till 6th Semester)

Nellai Nadar Matriculation Higher Secondary School | 2021-2022

- HSC
- MARKS - 79%

Nellai Nadar Matriculation Higher Secondary School | 2019-2020

- SSLC
- MARKS - 61%

PROJECTS

Smart Traffic Diversion System For Road Congestion Management - Smart Traffic Management System | 2024

- Developed an IoT-based Smart Traffic Diversion System using ESP32, PIR sensors, and LCD display to monitor real-time traffic density.
- Implemented dynamic signal control and route diversion alerts using data-driven algorithms.
- Improved traffic flow and road safety by providing real-time congestion insights.

GuardianAI - Unified AI Safety & Recovery System for Mass Gatherings | 2025

- Developed an AI-driven system integrating face, object, emotion, and audio analysis for real time public safety monitoring.
- Implemented DeepFace, YOLOv5, and Librosa models in a Flask backend with automated image processing and alert generation.
- Designed an interactive React dashboard for live detection and rapid incident response in large scale crowd environments.

VedantX - A Blockchain Based Ayurvedic Traceability System | 2025

- Developed a blockchain based Ayurvedic traceability system ensuring transparent farm to shelf tracking and geo tagging.
- Integrated AI and QR hologram verification for real time authenticity checks and counterfeit prevention.
- Enhanced consumer trust with 3D journey visualization and offline SMS based verification for rural accessibility.

CERTIFICATIONS

- Python 3.x -Programming Course – SkillRack
- Python for Beginners – Udemy
- My SQL Basics – Great Learning
- UI/UX for Beginners – Great Learning

TECHNICAL SKILLS

- Languages: Python, JavaScript
- Frameworks: Flask, React
- Database: MongoDB, MySQL
- Tools: Git, Figma

SOFT SKILLS

- Time Management
- Problem solving and effective communication
- Teamwork & Leadership
- Critical Thinking

LANGUAGES KNOWN

- English
- Tamil

DECLARATION

I hereby declare that the above information is true and correct to the best of my knowledge and belief. I bear the responsibility for the correctness of the above-mentioned particulars.

DATE:

PLACE: CHENNAI

SIGNATURE

Mohamad Naveed H