

AKSHAT MALOO

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EDUCATION

B.Tech. in Electrical and computer Engineering, MIT World Peace University

2023– 2027

CGPA: 8.06

Relevant Coursework: Data Structures, Algorithms, Data science

Certified in EV&HEV via 10-day Bootcamp at iACE, Gandhinagar

Achievements:- Top 5 in coding competition

SKILLS

Languages Python, C, C++, SQL, Java, Embedded C

Database MySQL

Embedded & IoT: ESP32, UART/SPI/I2C

Tools & Framework Git, python flask(basics),Matlab/Simulink

PROJECTS

Smart placement management System

python flask, MySQL

- Designed a system to **automate placement activities** such as student registration and company listings.
- Created modules for **student profiles, eligibility tracking, and placement records**.

Sensor fusion of Autonomous vehicle

Matlab/Simulink

- Designed and simulated **multi-sensor fusion algorithms** for object detection and tracking.
- Performed **sensor data integration and validation** in a **Simulink-based virtual environment**.

Smart Highway Street Light Management System

Assembly language

- Designed a system to **automatically control street lights** based on traffic and environmental conditions.
- Implemented **sensor-based lighting** to reduce power consumption and operational cost.

Mini projects

Virtual Bookshelf

C, DSA

- Book add/search/sort system using Linked List & BST

Smart Home Monitoring System

python, ESP32

- Implemented **real-time monitoring and alert generation** for home safety.
- Designed a **sensor-based security and safety system** to enhance household protection.

Python Chat App

python

- Socket-based two-way chat using threading and Pygame.

Certificates

- . National Academic Immersion Program (NAIP) 2025 – iACE, Gandhinagar(Attended 5–16 June 2025, completed technical sessions & EV/HEV training)
- . C & Data Structures Certification(Linked List, BST, sorting/searching concepts)