Mohammad Sufiyan

PROFILE

A self-motivated and very open-minded person who can learn very fast. I am keen to learn new things and use them in best possible way.

EDUCATION

- **B.Tech Electronics and Communication Engineering**
  CGPA – 9.4 / 10   **2019-2023**
  Amrita Vishwa Vidyapeetham
- **Class 12** – 100%   **2019**
  Institution: Narayana
- **Class 10** – 100%   **2017**
  Institution: Narayana E-Techno School

TECHNICAL INTERESTS

- Coding
- Circuit Design using HDL
- VLSI
- Signal processing
- Computer networks

PROJECTS

- Verilog Implementation of Dijkstra's algorithm to determine optimized route between two places (10/2022 - 01/2023)
  - Extracting the road data from maps and finding junctions and the weights between the junctions by applying image processing techniques. Applying the Dijkstra's algorithm on the weighted graph to find the shortest distance.
- Secured Knock detector (04/2022 - 07/2022)
  - Main idea is to build a knock detector using piezo sensor and Arduino. The system stores a pattern of knocks. When a person tries to knock in a pattern, the system compares with the data which is already stored in the Arduino, and opens the door lock if the data is matched.

TECHNICAL SKILLS

- Python
- C
- Problem Solving
- Verilog
- Microprocessors
- Digital Electronic design
- MATLAB
- LT Spice
- Keil Microvision
- Microwind DSCH2

CERTIFICATIONS

- Design Analysis and Algorithms (01/2022 - 03/2022)
- System design through Verilog (09/2021 - 10/2021)

ACHIEVEMENTS & HONOURS

- Secretary - IEEE Innovations Society

LANGUAGES

- TELUGU
- HINDI
- English

HOBBIES

- Cooking