Mohd Zeeshan Mohd Irfan

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EDUCATION

Dr. D. Y. Patil Institute of Technology - Bachelor of Engineering,

Electronics & Telecommunication.   Pune

2020 - current, CGPA - 8.50/10.0

Amar Jr. College - HSC   Amdapur

2018 - 2020 , Percentage - 79.69 %

INTERNSHIP

Mrson Equipments - Assembler Intern

January 2023 - February 2023
- Oversaw the working of various electronic components such as relays and microcontrollers.
- Assisted on one of the companies product the Electronic speed monitor that is utilized on Conveyors used for fault detection coverage of 75%.
- Upskilled myself in Various electronic Development boards such as Arduino, Raspberry pi, learned about Power devices and circuits.

SKILLS

- C++
- SQL (MySQL)
- HTML/CSS
- Python
- DBMS
- Operating Systems

RESEARCH AND PROJECTS EXPERIENCE

IOT Based Anti-Thefting System using MQTT.   October 2023. - current
- *Key Skills - IOT Protocols, Raspberry Pi, Electronics*
- Implementing a security system by utilizing the MQTT protocol to gain better QOS 3 standards and reduce latency.
- Employing Raspberry Pi as the server and ESP32 as the nodes for detecting intruders.
- The MQTT is a perfect choice for the protocol as it provides QOS 3 the latency is almost close to 0.

NFC-Payment System.   June 2023 - August 2023
- *Key Skills - HTML, CSS, Java-script, PHP, MySQL, Electronics*
- The NFC card payment System utilizing Near field communication cards
- The ESP 32 is employed as the controller as it is wifi and bluetooth enabled.
- Implemented contactless technology system, enabling seamless transactions and reducing customer wait times by 50%, resulting in a 20% increase in customer satisfaction scores.
- Streamlined the website interface for both end users and merchants, resulting in a 50% reduction in user onboarding time and a 20% increase in overall customer satisfaction.
- The project is categorized into two categories: Hardware side and Software side.

Solar Based Insect Killer for Agriculture. March 2023 - June 2023

- *Key Skills - Electronics, Arduino*
- Demonstrated a sustainable solution to control insect population without using harmful chemicals.
- Integrated solar panels and rechargeable batteries to save power.
- Integration of UV LEDs plays the major role in the prototype.
- Used the Arduino and relay for controlling and triggering purposes.

LEADERSHIP EXPERIENCE

Vice President at TESA 2023-24

- *Successfully administering the workflow of the club with 40+ Board of directors and members.*

Database Head at TESA 2022-23.

Campaigning Executive for IETE & TESA Chakravyuh & Robo Wrestling 2022.

- *As a campaigning execute registered 60+ participants for the event resulting in 40% increase in membership of Club.*

TESA -

- *Telecom Engineering Student Association (TESA) is a student community in the electronics and telecommunication Engineering Department focussing on professional and technical growth of students by arranging technical workshops, Seminars, technical and non technical college level fest.*