

INAM UL REHMAN

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EDUCATION

The University of Agriculture

CGPA: 3.27 / 4.00

Faisalabad, PK

Bachelor of Science in Information Technology

Sep 2019 – Jun 2023

- Relevant Coursework: Design and Analysis of Algorithms, Data Structures and Algorithms, Programming Fundamentals, Object-Oriented Programming, Web Development, Artificial Intelligence, Databases, Visual Programming, Mathematics (Linear Algebra, Derivatives, and Integration), Statistics, Cloud Computing, Internet of Things.

HACKATHONS AND COMPETITIONS

EquiDonate | Oracle APEX, Databases, Github

- Worked with a team of six individuals from the Pakistan and Columbia in an international hackathon, collaborating on the Verified Aid Project.
- This project aims to provide donations to those people who are actually needy by verifying them using EquiDonate application.

Meta Hacker Cup'23 Qualifier

- I participated in the Meta Hacker Cup during the practice round, attempted 4 out of 5 problems, and qualified for the first round. I secured the 2,315th out of 12,138 position globally.

Google Code Jam'23 Qualifier

- I participated in the Google Code Jam coding competition organized by Google and learned a lot from this coding competition.

PERSONAL PROJECTS

IoT Based Single Phase Energy Meter | esp32, Acs712, Zmpt101B, C/C++, Python flask restx, MySQL, HTML, CSS and JavaScript

- IoT based single phase energy meter monitors the current and voltage consumed by the load. It will help to keep record of energy consumed by the load will help in decision-making.

Controlling LED From PyQt App | esp32, led, C/C++, Python flask restx, PyQt, MySQL

- Now controlling a light or any appliance from an application is concerned. In this project I have controlled the led from the application. If user clicks the button to turn on light, the microcontroller turns on the light.

IoT Based Temperature and Humidity Monitoring | esp8266, dht11, NodeJs, MySQL, ExpressJS, Docker

- Monitors the temperature and humidity and saves the data to the database which further can be used for analysis. Also, It helps the user to visualize the data on a graph.

EXPERIENCE

Internet of Things Intern

Mar 2022 – Sep 2022

EPTEck Technologies Pvt. Ltd.

Faisalabad, PK

- Gained hands-on experience in embedded C programming, sensor integration, REST API development, and working with the ESP32 for CRUD operations with a MySQL database via the HTTP protocol.
- Embedded Devices, Esp32, CMake, Internet of Things (IoT), Python Flask Restx, REST APIs, Hypertext Transfer Protocol (HTTP), MySQL

TECHNICAL SKILLS

Languages: JavaScript, C, C++, Python

Frontend: HTML5, CSS3, Bootstrap

Backend: Node-JS, Express-JS

Version Control: Git, Github

APIs: Rest-APIs

Databases: MySQL