FAHMAN HUSSAIN

COMPUTER ENGINEER

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PROFILE SUMMARY

I am a dedicated, fast-learning individual with interests in Software Engineering, Machine Learning, and AI. I am seeking an internship opportunity that will allow me to apply my technical skills and creativity to develop innovative software solutions while learning from experienced professionals in the field

EDUCATION

University of Peradeniya   2021 – present

BSc. Engineering Honours specializing in Computer Engineering | GPA - 3.55 / 4.0

Kattankudy Central College   2016 – 2019

GCE A/L Examination 3As - Z Score: 2.0635

TECHNICAL SKILL

- HTML, CSS, JavaScript
- MySQL, MongoDB, Firebase
- AWS (EC2, IoT Core)
- Java, Python, C
- NodeJS, PHP, ExpressJS
- Verilog HDL, Arduino
- ReactJS, React Native
- Android studio
- Git, GitHub

PROJECT

Smart Waste Management System | Group | ⭘   Nov, 2023 – Feb, 2024

- Smart Waste Management System that aims to make the process of waste collection more efficient. The system utilizes waste bins and manages them through mobile and web applications. With the help of the system, users can easily check the status of the bins, follow a schedule for waste collection based on the bin's status and weather forecast and find the bins locations.
- *Contribution : Web Application, Backend, AWS, Deployment, Git repository maintenance*
- *Technology Stack :* **ReactJS, React Native, NodeJS, ExpressJS, MongoDB, AWS, MQTT, JWT, EC2**

Online Shopping Website | Group | ⭘   March, 2023 – May, 2023

- The online shopping platform contains features such as user authentication, an administration dashboard, product detail pages, a checkout process, and user feedback, ensuring a better user experience.
- *Contribution : Frontend and backend development, Database design, Git repository maintenance*
- *Technology Stack :* **HTML, CSS, JavaScript, PHP, MySQL, Bootstrap, GutHub**

Student Result Management System | Group | ⭘   March, 2023 – June, 2023

- The system primarily targets undergraduate students themselves, allowing them to track their academic performance, calculate GPA, and set goals for future semesters. The system also provides functionality for batch administrators and field administrators to register courses and manage the uploading of final grades.
- *Contribution : Frontend, Backend, Managing database*
- *Technology Stack :* **Java, Firebase, Android studio**

The Remote Controlled PLC Training Kit | Group | :octocat: Aug, 2023 – Oct, 2023

- The Remote Controlled PLC Training Kit is a hands-on educational project that allows users to learn about Programmable Logic Controllers (PLCs) and automation systems. In this project, our aim is to access the PLC remotely.
- *Contribution : web page development, Node-red,*
- *Technology Stack :* **HTML, Arduino, Node-Red, Python**

CERTIFICATE

- CAD0210EN: Developing Front End Apps with React | offered by IBM | edX | 🔗
- IT.1.3x: Introduction to Java Programming: Fundamental Data Structures and Algorithms | Universidad Carlos III de Madrid | edX | 🔗
- CS0131EN Software Engineering Basics for Everyone | offered by IBM | edX | 🔗
- IT.1.1x: Introduction to Java Programming: Starting to code in Java | Universidad Carlos III de Madrid | 🔗
- DA0101EN Analyzing Data with Python | offered by IBM | edX | 🔗
- LFS101x Introduction to Linux | offered by IBM | edX | 🔗

COMPETITIONS

ACES Coders v10.0 | 12 hour algorithmic programming competition   Oct. 2023
Advanced to the final round (Coders), outperforming numerous competitors in the initial round (PreCoders) Only 25 teams were selected for the final round

ACES PreCoders v9.0 | 6 hours algorithmic programming competition   Dec. 2022
Competition participation strengthened problem-solving and technical skills in a competitive setting.

ACES Hackathon 2023 | 2 days competition   June 2023
Gained and showcased innovation, and collaborative skills by participating under the social services category

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MEMBERSHIP

Institute of Electrical and Electronics Engineers | Student Member   March, 2024 – Present

Institution of Engineers Sri Lanka | Student Member   April, 2024 – Present

Muslim Engineering Students' Welfare Association | Assistant Secretary   Jan, 2024 – Present

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REFERENCE

Prof. Roshan G. Ragel

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Department of Computer Engineering,
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