ISTIAQ AHMED FAHIM

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SUMMARY

A passionate learner who is always ready to learn new things every day, having experience of working as a software developer and handling the clients of a multinational company. Studying on electronics & Communication Engineering I also possess good knowledge of electronics & related fields. A machine learning and AI enthusiast who is dedicated to self-development to gather practical expertise in this related sector.

WORK EXPERIENCE

Software Developer   **March 2021 - April 2022**
Automation Solutionz LTD
Waterloo, Canada

- Wrote efficient python code to develop new features of the automation testing software on client's demand.
- Provided training on our software tool to the automation testers of the client company from different regions of the world through online meetings.

Human Resource Officer   **January 2022 - March 2022**
Kuet Business & Entrepreneurship Club

- Hosted & performed anchoring in an on-campus event of an international program Hult Prize.

EDUCATION

Bachelor of Science (B.Sc) in Electronics & Communication Engineering   **Jan 2019 - March 2024**
Khulna University of Engineering and Technology
- CGPA - 3.55 out of 4.00

Higher Secondary School Certificate (HSC)   **March 2016 - April 2018**
Cantonment Public School & College, Rangpur
- GPA - 5.00 out of 5.00

AWARDS & SCHOLARSHIP

Dean's Award
- For Outstanding academic performance in the last academic year.

First Runnerup
- Interdepartmental English debate Competition 2019 in KUET.

Finalist
- Business Case Study Competition in Ignition 2023 by KUET Mechanical Dept.

General Scholarship
- In HSC from Dinajpur board

SKILLS

- **Programming Skills:** Python, C++, C, Verilog
- **Developer tools:** MATLAB, Microsoft Visual Studio, Xilinx ISE, Microwave Studio CST, Arduino IDE, Cisco Packet Tracer
- **Circuit Design & Simulation :** Proteus**,** Multisim
- **Version Control:** Git, Github
- **Editor tools**: Canva, MS PowerPoint
- **Others:** Problem-solving, Leadership & Management

THESIS & PERSONAL PROJECTS

Undergrad Thesis

- **ABS Estimator: A Novel Approach for Next Gen Cloud VM Workload Prediction using Attention Augmented Hybrid RNN Model**
  Supervisor: Md.Khorshed alom, Assistant Professor, Dept. of ECE, KUET, Khulna, Bangladesh

Project Works

- **IOT Based Home Automation System**

  Description: According to the project users can control home electrical appliances by giving voice commands to Google Assistant. NodeMCU(esp 8266) , Google IFTTT platform,Blynk application & relay module have been used for the project.

- **Real-time Patient Monitoring & Teleoperated Prototype Of Surgical Robotic Arm**

  Description: We proposed a surgical system based on high end to end data transfer where patient data, which is collected from multiple physical sensors, is monitored in real-time by the surgeon remotely & surgeon can perform surgery without being in the operation theater by using a system software that controls the surgical robotic arm.

- **Yagi-Uda antenna design & Simulation using CST software**

  Description: Designed and optimized parabolic reflector antenna using CST Microwave Studio. Determined S-parameter, VSWR, Gain, Directivity, Radiation pattern, E- field, H- field, Surface Current and analyzed antenna performance.

- **Optimized Electric Vehicle Scheduling with Dynamic Emergency Handling at Charging Stations**

  Description: A Schedule management system is being developed which optimizes EV scheduling at charging stations by prioritizing emergency vehicles and adjusting schedules dynamically, ensuring that high-priority vehicles are charged efficiently while accommodating emergency entries.

REFERENCES

MD. Khorshed Alom
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