

MEHEDI AHAMED

Computer Science and Engineering Student | Research Enthusiast | Software Engineer



Portfolio
mehedi



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MehediAhamed



PROFILE

I'm a final year CSE undergrad student, ML-Computer Vision-Data Science-Business Analytics enthusiast, and researcher with experience in problem-solving, and Mobile-Web app development.

SKILLS

Programming Languages

C C++ JavaScript Java Python

PL/SQL Assembly

Frameworks & Libraries

JavaFX FastAPI Django React Native

Node.js React.js OpenCV PyTorch

Tensorflow

Database

MariaDB MySQL MongoDB

Technical

Linux Git Docker LaTeX

ACHIEVEMENTS

Government Scholarship
Achieved talent pool scholarships in public exam

International Rover Challenge 2024
An International Space Robotics Competition organized by The Space Robotics Society (SPROS)
Won the title "Scientists of the Future" at International Rover Challenge
Best result from Bangladesh
Featured in many popular newspapers like Prothom Alo, Daily Star, Financial Express, etc.

CodeRush 1.0
An Intra-university Hackathon Competition
Position- 10th

European Rover Challenge'23 - Remote Edition
An International Space Robotics Competition organized by The European Space Foundation
Team standing- 14th in Remote Edition

EDUCATION

B.Sc. in Computer Science and Engineering

Islamic University of Technology Gazipur, Bangladesh
July 2021 - Present CGPA: 3.82/4.00

Expected Graduation: June 2025

Higher Secondary School Certificate

Notre Dame College Dhaka, Bangladesh
December 2020 GPA: 5.00/5.00

Secondary School Certificate

St. Joseph Higher Secondary School Dhaka, Bangladesh
April 2018 GPA: 5.00/5.00

PROJECTS

Moushum

June 2024 `</>` React, Node.js, React, MariaDB

A Bengali React web app for detecting plant diseases from videos or images using ML. Users can find latest update on plantation methods. This website was targeted for the farmers and city dwellers who can find diseases and plantation solution at one stop.

Delicacy

December 2022 `</>` JavaFX, Java, Cloud Database- Planetscale

A JavaFX application for online food ordering system. It was the best project in Software Design course project among all teams.

Quick Resume

November 2023 `</>` EJS, Node.js, SQL

A resume generation website which was developed during 24h Hackathon Challenge in CodeRush 1.0. Our team stood 10th among all participant teams.

MyFoeMyX

September 2023 `</>` HTML, JavaScript

An interactive gaming website built during 24h Gamejam in BUET CSE FEST 2023.

Edu-Connect

March 2024 `</>` Django, JavaScript, Python, SQLite

A Django web app for distant classroom management and automated attendance tracking. RFID hardware based system was developed for online attendance tracking.

ROS Aruco Service

March 2023 `</>` Opencv, ROS, Linux

A Robot Operating System package for ArUco detection. This package can be run on Linux for finding waypoints in European Rover Challenge.

European Rover Challenge'23 - Onsite Edition

An International Space Robotics Competition organized by The European Space Foundation

Team standing- 17th in Onsite Edition

Battle of Minds'22

A global business case competition organized by BAT

Qualified for 2nd round

Over the Wall

A global business case competition organized by Marico


Participation round

Robi Datathon 3.0

A hackathon for data enthusiasts organized by Robi

Team standing- 84th among 240 teams in participation round

MEDIA COVERAGE OF MY ACHIEVEMENTS

 Many local newspapers published news of my achievements. Click to see the news.

- **IRC 2024**
 - [News Link \[Daily Star\]](#)
 - [News Link \[The Financial Express\]](#)
 - [News Link \[Protidiner Bangladesh\]](#)
 - [News Link \[Kalbela\]](#)
- **ERC 2023**
 - [News Link \[Kaler Kantho\]](#)
 - [News Link \[Daily Star\]](#)

RESEARCH

My published journal-[Link \[10.55706\]](#)

I am also an expert on Few Shot Learning in Computer Vision.

My conference paper on **Performance Analysis of Few-Shot Learning Approaches for Bangla Handwritten Character and Digit Recognition** is under processing in International Conference on Sustainable Technologies for Industry 5.0 (STI)

INTERESTS

Curricular


Data Science, Computer Vision, Business Analytics, Data Mining

Co-Curricular


ERC Certified Robotics Engineer, Embedded Programming

EXPERIENCES

Junior Software Engineer Orange Business Development Limited


 September 2024 – Ongoing

Orange Business Development Limited


 Dhaka, Bangladesh

- ▶ Back-end system designing & API implementation
- ▶ Machine Learning model implementation

Machine Learning Intern Orange Business Development Limited

 June 2024 – August 2024


Orange Business Development Limited

 Dhaka, Bangladesh

- ▶ Involved in diverse Govt. projects, focusing on NLP and Explainable AI research
- ▶ Key contributions include improving the Bangla chatbot of NCTB (National Curriculum and Textbook Board) website
- ▶ Improving e-commerce searching technique for better customer experience

Call Center Agent

ProLeadsBPO

 January 2023 – March 2023

 Dhaka, Bangladesh

- ▶ Handled US customer query
- ▶ Promoting medicinal products

SOFT SKILLS

Leadership

- Project Altair – Software Sub Team Leader
- Datathon 3.0 – Team Leader

Volunteering

- Technical Executive at IUT Computer Society
- Volunteered Intra IUT ICT Fest: CodeRush 1.0 as a member of Food and Beverages Department
- Execution Committee Member – Josephite Debating Club

Teaching

- Tutoring college students for HSC and admission
- Nearly 2 years of tutoring experience

REFERENCES

Dr. Md. Hasanul Kabir

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Dept. of Computer Science and Engineering
Islamic University of Technology (IUT)
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TO WHOM IT MAY CONCERN

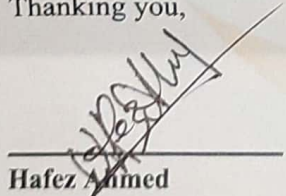
This is to certify that Mehedi Ahamed has worked in this company as an Intern from June 01, 2024, to August 31, 2024. His duties of employment at Orangebd Ltd included understanding and developing applications with a focus on Machine Learning for the NCTB Curriculum Portal - Chatbot Babui (RAG), where he contributed to enhancing the chatbot's capabilities. He was also involved in backend development for the Face Recognition feature, ensuring seamless integration and functionality.

Additionally, Mehedi worked on a multimodal chatbot for Diamond World, which required him to implement various communication modalities to improve user interaction. Throughout his internship, he learned Laravel and HTML for frontend development related to the Face Recognition feature, demonstrating his ability to adapt and acquire new skills quickly.

As a responsible person of this company, he was a very sincere, honest, hardworking, and dedicated individual. He was always loyal to the management and worked towards achieving management objectives.

I wish him all the success in life.

Thanking you,



Hafez Ahmed
Director & COO
Orange Business Development Ltd.