

Md Hasebul Hasan Shawon

Dhaka, Bangladesh

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EDUCATION

- Master of Science (M.Sc) in Computer Science And Engineering** July 2022 - Present
Bangladesh University of Engineering and Technology (BUET), Dhaka-1000, Bangladesh
Marks: Above 80% (current)
- Bachelor of Science (B.Sc) in Computer Science And Engineering** February 2017 - May 2022
Bangladesh University of Engineering and Technology (BUET), Dhaka-1000, Bangladesh
CGPA : 3.77 out of 4.00
- Higher Secondary School Certificate (HSC) in Science** July 2014 - April 2016
Notre Dame College, Dhaka, Bangladesh
GPA: 5.0 out of 5.00
- Secondary School Certificate (SSC) in Science** April 2009 - March 2014
Sara Marwari Model School And College, Pabna, Bangladesh
GPA: 5.0 out of 5.00

WORK EXPERIENCE

- Software Developer, IQVIA** May 2022 - Present
Working as a Machine learning Engineer in ADA ML team.
Responsibilities:
- Developing, testing, and debugging on multiple products with high and efficient coding techniques
 - Analysis the requirements and research on the resources to implement efficient algorithms for solving problems.
 - Peer code review and technical documentation on research ideas
 - Performing version controlling with Gitlab
 - Develop CI/CD pipeline.
 - LLM model training, Deploying using AWS Sagemaker, prompt engineering
- Part-time Lecturer, CSE, BUET** November 2022- June 2023
Working as a part time lecturer in the department of computer and engineering
At Bangladesh University of Engineering and Technology
Instructing the following courses:
- CSE102: Structured Programming Language Sessional
 - CSE 206: Digital Logic Design Sessional
 - CSE462: Algorithm Engineering Sessional

RESEARCH

- Thesis on **Boosting House Price Predictions using Geo Spatial Networking Embedding (GSNE), Text Embedding and Image Embedding.**
March 2021 - Present
Feature: Machine Learning, LLM, CLIP, Pytorch

My partner and I are currently working on developing a Multi-Modal House Price Predictor. This predictor takes various inputs, including raw house features (such as the number of bedrooms and the kitchen), geospatial network data, images, and textual descriptions, to predict the price of a house.

TECHNICAL SKILLS

Programming Language: C/CPP, Java, C#, Python, Javascript
Framework: Tensorflow, Vue Js, Node Js, Javafx
Database: Sql, Nosql, Postgresql, Mongodb
Technology: Git, Bash, AWS Sagemaker, Docker, Huggingface, Kubernetes

PROJECTS

Amader Internet (02/2021) [github link](#)

Features: Vue.js, Node.js, Mongodb

It's basically a website built for internet users, ISP, and NTTN in Bangladesh motivated by the info sarkar phase-3 Project. This website was built along with two of my partners using Vue js as front-end and Node js as back-end.

Food Image Classification (01/2022) [github link](#)

Feature: Deep learning, Transfer learning, CNN, Resnet50

I along with my partner build a CNN model to classify the food images into 10 classes. We train our model using 10k food images. We also fine-tune some pre-trained models (Resnet50, Efficientnet B7, Inception V3) and show their performance statistics.

Online Service Platform (04/2019) [github link](#)

Feature: Java, Postgresql, Java Fx

This desktop application was built using JavaFX for UI and Postgresql for the database. Here we mimic ShebaXYZ

Hospital Management System (05/2018) [github link](#)

Feature: Java, Networking, Java Fx, Multi-Threading

It is a management system that provides many functionality for the patients, doctors, and authorities.

Based on multi-threaded and networking, this software provides access for many patients and doctors at a time.

Smart Home (06/2020) [video link](#)

Feature: C++, ATmega32, Microcontroller, Sensor

This hardware project was designed and implemented an automated model house using a microcontroller. Some sensors like sonar sensors to detect movement, LM35 for temperature, LDR for light were also used.

Linguistic Proficiency

Bengali: Native Language

English: Fluent Working Proficiency

Honors And Award

Deans List Scholarship

2019, 2020, 2021

University Merit Scholarship

2019

REFERENCES

Mohammed Eunus Ali, Ph.D. , Professor

Department of Computer Science and Engineering (CSE),
Bangladesh University of Engineering and Technology (BUET),
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