KHONDKER SALMAN SAYEED

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EDUCATION

Bangladesh University of Engineering and Technology BUET   APRIL 2019 - JULY 2024 (expected)

Bachelor of Computer Science and Engineering
Current CGPA (6/8 Semesters): 3.93/4
University Dean's List (All Semesters)

Notre Dame College   JULY 2016 - SEPTEMBER 2018

GPA: 5/5. HSC Talent-pool Scholarship Recipient

St. Joseph Higher Secondary School   JAN 2008 - MAY 2016

GPA: 5/5. SSC Talent-pool Scholarship Recipient

EXPERIENCE

CSE BUET NLP Lab — *Undergraduate Research Assistant*   JAN 2023 - PRESENT

Researching multimodal deep learning and vision-enhanced large language models for my undergraduate thesis in multimodal transformers. Curated a large dataset of newspaper articles, images, and summaries to improve the abstractive summarization task by including image data along with the article.

Northwest Power Generation Company— *Machine Learning Intern*   MARCH 2023 - JUNE 2023

Worked with the powerplant maintenance team to develop a Multi-Layer Perceptron and an LSTM model to analyze the powerplant performance level and failure prediction. This was a virtual internship program.

DLSprint 2.0 2023 — *Organizer and Instructor*   JUNE - AUGUST 2023

Organizer of DLSprint 2.0 2023, an open-for-all Deep Learning Competition about Document Layout Analysis. Conducted two workshops as the secondary instructor on standard competition practices, computer vision, and image segmentation.

AWARDS

DLSPRINT 2022 — *Champion*   JULY - SEPTEMBER 2022
Hosted by Bengali.AI, Sponsored by Optimizely
Speech Transcription on the Bengali Common Voices Dataset using wav2vec2.   Github

EEE DAY 2023 Datathon — *1st Runners Up*   FEBRUARY - MARCH 2023
Hosted by BUET EEE Dept and Apurba Technologies Ltd.
Grammatical Error Detection on an in-house dataset using T5.   GitHub

AI For Bangla 2.0 - 2023 — *Honorable Mention*   DECEMBER 2022 - MARCH 2023
Hosted by EBLICT, Bangladesh Computer Council
First, word-level Bangladeshi Sign Language Dataset collection.
Models: 3DCNN, Image-RNN, STGCN   GitHub

IEEE Video and Image Processing CUP 2023 — *Champion*   JULY - OCT 2023
Hosted by IEEE at ICIP2023
Ophthalmic Biomarker Detection from OCT Scans

REFERENCES

AKM Ashikur Rahman
Professor at CSE, BUET
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Relation: Advisor

Rifat Shahriyar
Professor at CSE, BUET
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Relation: Thesis Supervisor