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## Career Objective

Being a diligent programmer with a fascination for engineering, I aspire to create applications that will actually help people. I am very intrigued with the domain of artificial intelligence and looking forward to joining the revolution of the century. I have worked under great professors in this domain during my undergraduate final year and have published a paper on machine learning. I am looking for that one opportunity to make artificial intelligence work on real life problems.

## Education

**Year**

Bachelor of Science in Computer Science and Engineering | BSCSE — Summer 2019 - Fall 2022
North South University
Bashundhara, Dhaka
CGPA:3.75

A-Level — June 2018
Academia School
Lalmatia, Dhaka
Grades: 3A (Physics, Chemistry, Maths)

O-Level — June 2016
Maple Leaf International School
Dhanmondi, Dhaka
Grades: 6A*, 1A

### Achievements:

I. Received Merit based scholarship from North South University.
II. Won The Daily Star Award (in both O and A-levels).
III. Won the Case Study of Industry 4.0: Smart Industry Management organised by IEEE NSU Student Branch

## Publications

Link

**Title:** Machine Learning Techniques for River Discharge Prediction Using ERA5 and GloFAS Data
**Authors:** Hasibur Rahman, Ifad Uz Zaman, Kamran Ahmed, Rashedur M. Rahman
**Conference:** 13th IEEE UEMCON
**Status:** Published
**Description:** Using Machine Learning models to predict river discharge by applying geospatial predictor data.

## Relative Course Works

**Course**: CSE 465 | Neural Networks and Pattern Recognition — GitHub
**Title**: Image Segmentation
**Description**: Comparing objective functions for segmentation of skin lesions in dermatology images. The project was done under Hasib Zunair and results showed that for skin lesion segmentation the objective functions that tended more towards the region of interests had the best Jaccard and Dice scores. Ensemble of the loss functions were also used and their results were interesting as shown in the link.

**Course**: CSE 498R | Directed Research — Link
**Title**: Application of Dual Level Knowledge Distillation technique on Biomedical Tasks

**Description**: we employed both the last logit layers and the intermediate layers to propose a merged knowledge distillation technique that equips both feature and logit level distillation for lightweight models to achieve greater performance.We conducted experiments on the publicly available ISIC-2018 Melanoma dataset and RSNA Pneumonia Detection Challenge dataset where our approach demonstrated a considerable improvement.

## Skills

**Programming Languages:** Python, Javascript, PHP, Java, C++, C, SQL
**Programming Libraries:** PyTorch, TensorFlow, Scikit-learn, Express, Node.js, React
**Operating Systems:** Windows
**Version Control Tools:** Git, GitHub, Bitbucket
**Presentation and Documentation Tools:** LaTeX, Overleaf, Microsoft Word, Excel, Powerpoint, Google Docs, Slides, Sheets
**Interpersonal Skills:** Problem-solving, Innovation, Research.
Create intuitive and alluring software that helps solve a specific problem that the people of Bangladesh are facing.

## Hobbies or Interests:

An avid online content consumer through which I get my knowledge about how stuff works and what technology is thriving in this flourishing sector. I like playing esports games, watching movies and traveling.