Samiul Hossain

LinkedIn | Samiul-Hossain Github | Samiul-Hossain
Email | samiul.hossain03@northsouth.edu | 01911954042

EDUCATION

NORTH SOUTH UNIVERSITY
BS in Computer Science & Engineering
May 2021 | Dhaka, Bangladesh
Department of Electrical and Computer Engineering
CGPA: 3.40 / 4.0

COURSEWORK

UNDERGRADUATE
Database Systems
Machine Learning
Software Engineering
Web Development
Deep Learning
Biomedical Engineering

UDEMY
The Complete JavaScript Course 2021: From Zero to Expert!
Node.js, Express, MongoDB & More: The Complete Bootcamp 2021
The Complete Android Oreo Developer Course - Build 23 Apps!

KAGGLE
Python
Intro to Machine Learning

DATACAMP
Image Processing in Python
Image Processing with Keras in Python
Biomedical Image Analysis in Python
Introduction to SQL

DEEPLIZARD
Machine Learning & Deep Learning Fundamentals
Keras - Python Deep Learning Neural Network API

SKILLS

PROGRAMMING
Languages:
• Java • C • Python • JavaScript
• Assembly • HTML • CSS • PHP
• Latex • SQL • NoSQL
Libraries & Frameworks:
• Laravel • React • Node.js
• Express.js • MongoDB • GraphQL
• Matplotlib • Android • NumPy
• scikit-learn

WORK EXPERIENCE

ICDDR,B
Web Development Intern
Created Functional Requirements Document and Data Flow Diagrams. Worked with front and back end technologies such as Bootstrap, Jquery, PHP, JavaScript, Laravel etc. to develop **user** and **student management systems** to gain hands-on experience on real world projects.

PROJECTS

OPERATING SYSTEMS PROJECT
Hotel Application
Created a simple application for a hotel to display their features and take room bookings remotely.

WEB DEVELOPMENT PROJECT
Maintenance Platform
Created a front-end design for a mock website that offers cleaning and maintenance services.

MemeVerse
Created a meme-sharing website (social media mockup) using the mongodb, express, react, node and graphql. You can register, login, create/delete posts(including images), comment/like posts etc.

JUNIOR DESIGN PROJECT
Predicting the Energy Use of Appliances in a Low Energy Household
This paper presents how predicting the energy use of appliances can help us deal with abnormal power surges, control the flow of power into the grid by using machine learning, and also create systems that may help us manage power load.

DIRECTED RESEARCH
Classification of Melanoma Using Deep learning and Neural Networks
This paper demonstrates the classification of skin lesions using CNN, trained using a data set of more than 33100 clinical images to determine whether the skin anomaly (melanoma) is benign or malignant.

SENIOR DESIGN PROJECT
Comparison of Different Water Indices for Water Surface Extraction using Remote Sensing & GIS Techniques
This study demonstrates the usage of spectral water indices to delineate water from land to conduct surface water extraction using Landsat - 8 OLI TOA images on Saint Martin's Island, Bangladesh.

AWARDS

- The Daily Star Award
- Financial Aid Recipient from North South University
- Champion: Horizon's Edge National Gaming Contest (Valorant)
- Champion: Valorant Prime League