Kazi Noshin

11C, Concord Emporium, Katabon, New Market, Dhaka, Bangladesh

■ +8801559500533 | 🗷 kazi.noshin.111@gmail.com | 🌴 noshinxd.github.io/KN_portfolio/ | 🖸 https://github.com/NoshinXD

Research Interest

Human-Computer Interaction – Artificial Intelligence – Machine Learning – Deep Learning

Education

Bangladesh University of Engineering and Technology (BUET)

Dhaka, Bangladesh

Bachelor of Science in Computer Science and Engineering

Feb 2017 - May 2022

• CGPA: 3.68/4.00

• Last two-year CGPA: 3.84/4.00

Ideal School and CollegeDhaka, Bangladesh

June 2014 - August 2016

• GPA: 5.00/5.00

Ideal School and College

Dhaka, Bangladesh

Secondary School Certificate, Science

Higher Secondary Certificate, Science

2004 - May, 2014

• GPA: 5.00/5.00

Work Experience

University of Asia Pacific

Dhaka, Bangladesh Aug 2022 - Present

· Courses Teaching:

Lecturer

- Structured Programming (C)

- Introduction to Computer Science and Programming Methodology Lab
- Software Development

Responsibilities:

- Efficient planning of assignments to enhance the student's ability to understand computer basics.

BUET-Japan Institute of Disaster Prevention and Urban Safety

Dhaka, Bangladesh

Research Assistant

Supervisor: Dr. Mohammed Eunus Ali (BUET)

July 2022 - Jan 2023

- Purpose:
 - Improvement of Earthquake Early Warning System using graph attention networks.
 - Prediction of earthquake intensity in different regions using a relatively small amount of earthquake receiver station records.

Bangladesh University of Textiles

Dhaka, Bangladesh

Lecturer (Part-time)

June 2022 - July 2022

- · Courses Teaching:
 - Structured Programming (C)
- Responsibilities:
 - Effective delivery of course contents to make the student's able to understand C basics.

Research Projects_____

Automated Analysis of Parkinson's Disease (PD) Characteristics and Severity Based on Videos Collected via a Web-based Platform (B.Sc. Thesis) (PDF)

2021 - 2022

Supervisor: Dr. Mohammad Saifur Rahman (BUET)

External Collaborators: Dr. Imran Sarker (NINH, BD), Dr. Ehsan Hoque (University of Rochester, US)

- Building a simple automated online PD screening tool by modifying an existing web-based application that can capture audio and video data from participants to identify Parkinson's Disease (PD) in thousands of undiagnosed people in Bangladesh.
- Providing patients the opportunity for frequent assessment/monitoring without having appointments with neurologists or requiring them to travel to a healthcare facility.
- Contributing to the ongoing study to improve the condition of the 10 million people worldwide who currently have Parkinson's disease.

DECEMBER 13, 2022

Supervisor: Dr. Mohammad Saifur Rahman (BUET)

External Collaborator: Dr. Abu Zafer Mohammed Dayem Ullah (Barts Cancer Institute, UK)

- · Identifying the association of various clinical or molecular factors with the survival of patients diagnosed with cancers.
- Developing a gene mutation-based scoring system for categorizing patients according to their survival potential using machine learning techniques

Notable Projects

WBC classification

Deep Learning Project 202

- · Through this project white blood cells are classified into four subtypes from the image data of blood cells.
- · Framework: Keras
- · Github link

CNN from Scratch

Deep Learning Project 2022

- Implemented a convolutional neural network from scratch for an image classification task.
- Language: Python
- · Github link

DNS cache poisoning

Network Security Project 2021

- An attacker can poison the DNS cache and direct users to a false website in order to gain personal information which will be a phishing attack.
- · Language: C, Tool: VirtualBox VM, WireShark
- · Github link

SHIKHON - The Admission Helper

Software Development Project

202

- The targeted users of the platform is University Admission Candidates and the purpose of the application is to provide tutorials, notes, and solutions about a particular topic of a particular subject. The main challenge of this project is to learn how to build an interactive live application.
- Language: Javascript, Library: NodeJS, Database: MongoDB, Frontend: React Native JS
- Github link

Lines Of Action (LOA)

Artificial Intelligence Project

2021

- This project provides a platform where the player can play with an AI agent or two players can play with each other.
- · Language: Java, Framework: Slick
- Github link

Skills

Programming Python, R, C/C++, Java, javascript, BashScript, HTML, CSS, AWK, TCL

Database PostgreSQL, MongoDB

Frameworks Keras, PyTorch, Node.js, React.js, React-native, Bootstrap, Javafx, Slick, OpenGL

Tools/Software Git, Microsoft Word, PowerPoint, Excel, Figma, MATLAB, Latex, Adobe XD (UI/UX Design), Wireshark, Cisco Packet Tracer

Libraries Pandas, NumPy, Matplotlib, SciPy, Scikit-Learn, TensorFlow, OpenFace

English Proficiency

TOEFL Reading: 26, Listening: 26, Speaking: 22, Writing: 27

Achievements

2022 **FE Certificate**, Fundamental IT Engineer (FE) level-2 Examination (passed both shifts)

Bangladesh

2009-2021 Merit Scholarship, Primary School, Junior School, Secondary School, and Higher Secondary Certificate

Dhaka Board

References

Dr. Mohammad Saifur Rahman
Dr. Abu Dayem Ullah

Dr. Mohammad Saifur Rahman Associate Professor, CSE, BUET, email: mrahman@cse.buet.ac.bd

Senior Research Fellow, Barts Cancer Institute, London, email: d.ullah@gmul.ac.uk

DECEMBER 13, 2022 2