Sabboshachi Sarkar

Section 2, Mirpur, Dhaka.
+8801768457598, +8801971457598
Website || LinkedIn || sabboshachi.ruet@gmail.com

CARRER OBJECTIVE

"Looking for an opportunity to learn and apply my Machine Learning, Data Science, and coding skills (Python, C/C++) while contributing to growth in a dynamic environment."

SUMMARY

- Proficient in C/C++, Python, MATLAB
- Comprehensive understanding of Programming, Data Structure, ML Algorithms, Digital Image Processing, Natural Language Processing, Computer Networks, Wireless & Telecommunication, Satellite Communication.
- Strong mathematical skills, including Numerical Methods, Linear Algebra, Differential Equations, Calculus, Probability and Statistical Analysis
- Hands-on experience working with Machine Learning Modeling, Data Processing, Data Analysis

EDUCATION

Bachelor of Science (B.Sc.) 2017 to 2024
Electronics and Telecommunication Engineering (ETE)
Rajshahi University of Engineering and Technology (RUET)
CGPA-2.83 (out of 4.00)
Relevant Courses: C Programing, Data Structure and Algorithms, Digital Image Processing (DIP), Electronics, Computer Networks, Wireless and Mobile Communication, Telecommunication Engineering, Fiber Optics, Satellite Communication and RADAR.

SKILLS AND TOOLS

OS: Windows, Linux (Basic)
Programming: Python, C/C++, SQL, MATLAB, HTML/CSS/Bootstrap, Assembly Language
Data Science: Big Data, Data Analysis, Data Visualization, Matplotlib, MSExcel
Machine Learning: ML Algorithms, ANN, Pandas, NumPy, DIP, NLP, OpenCV, Keras, scikit-learn
Technical Skills: Arduino, Raspberry Pi, Microcontrollers, Computer Networking, IoT, Jupyter Notebook

RESEARCH EXPERIENCE

Undergraduate Thesis: 2023
Analysis of Stock Market Forecasting Utilizing an LSTM Approach [GitHub]

- Thesis on RNN Model Performance Analysis
- Analyzed stock data from five different DSE companies across distinct categories
- Conducted comparative analysis with NASDAQ Stock Exchange
- Results showed superior accuracy of NASDAQ data with the RNN model
- Highlighted heightened uncertainty in the Dhaka Stock Exchange

PROJECTS

A Corpus-based Study of the English Textbooks in Bangladesh 2024
Research Project
Technologies used: Big Data, Pandas, NLP, Computational Linguistics, Matplotlib, Jupyter Notebook

Text Classification and Prediction with NLP and Machine Learning Algorithms [GitHub] 2023
Research Project
Technologies used: Pandas, NLP, scikit-learn, Matplotlib, ML Algorithm, Google Colab.

Vehicle Number Plate Detection and User Management System [GitHub] 2020
University 6th Semester Project
Technologies used: Python, Django, Raspberry Pi, OpenCV, TensorFlow

Smart Road Accident Detection and Communication System 2018
University 4th Semester Project
Technologies used: Arduino, GSM Module, GPS Module, Bluetooth Module, Motor Driver Module, Vibration Sensor Module

ACHIEVEMENTS

Amra Notun Young Changemakers' Award 2024
from Brac Youth Platform

4th in Mud-Rover section of Robotronics 2021
from Department of MTE, RUET

EXTRACURRICULAR ACTIVITIES

Project Khadija September 2023 to Present
Project Coordinator and Programming Instructor
Project Khadija was an IT training program designed to equip women madrasa students with essential freelancing skills such as Graphic Design, Content Writing, and Basic C Programming. It gained national recognition as the winner of the Brac Youth Platform's Changemakers Award in 2024.
Skills & Developments: Leadership, Public Speaking, Entrepreneurship, Project management

Amra Notun Network (ANN), Brac Youth Platform May 2023 to September 2023
Trainee
A skill development program by Brac Youth Platform for college and university students to develop life skills like leadership and stress management, as well as employability skills such as entrepreneurship and project management.
Skills & Developments: Leadership, Public Speaking, Stress management, Entrepreneurship, Project management

REFERENCE

Dr. Mst. Fateha Samad
Professor
Dept. of ETE, RUET
fatehasamad@ete.ruet.ac.bd
+8801796382971

Dr. Shah Ariful Hoque Chowdhury
Associate Professor
Dept. of ETE, RUET
arif.1968.ruet@gmail.com
+8801306495966