Rakibul Alam Nahin

Machine Learning Engineer

CONTACT

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PROFILE

I am very enthusiastic to work in the field of machine learning and Artificial Intelligence. Recently I have published my research, therefore I am confident in my skills and expertise as a machine learning developer. I also believe in hard-working capability and learning abilities so I think I will thrive in my role as a machine learning engineer. The AI field has always been a dream for me.

Data Science and AI skill proficiency:

- Have a good hold with Machine Learning, Deep Learning and NLP concepts and understanding of inside calculations and computations.

- Experienced in MySQL, MongoDB and web scraping for data collection. Proficient in pre-processing of text, signal and images using libraries like NLTK, Spacy, Numpy, Pandas and cv2 for efficient model fitting.

- Worked with many supervised and unsupervised models of ML and DL using Tensorflow and scikit-learn especially with models like (CNN, RNN, LSTM, BERT, etc) for Dl / NLP and Scikit-Learn (SVM. RF, Regression, K-means. etc) alongside Computer Vision (YOLO).

- Currently working on NLP and text recognition modules like Transformers, Attention and Large Language Models.

- Also proficient in Data Analytics and Visualization for better understanding of data using visualization tools like Tableau, Matplotlib and Seaborn.

- Experienced on Signal Processing, Speech Recognition and GNN model.

EDUCATION

BSc in Computer Science, BRAC University, Dhaka

January 2019 - August 2022

Graduated with CGPA -3.56/4.00

A-Levels, Cherry Blossoms International School

January 2019 - August 2022

GPA -3.67/5.00

LINK

[LinkedIn](#)

[Github](#)

[Portfolio](#)

[Kaggle](#)

TECHNICAL SKILLS

Programming language:

Python

Javascript

Java

AI Frameworks:

Tensorflow, Scikit-Learn, OpenCV, NLTK, Spacy, Pandas, Scipy, Numpy

Large Language Models

Matplotlib, Seaborn, Scipy.

Tools:

Tableau (Visualization), Jupyter Notebook, Beautiful Soup (Web Scraping)

Web/App Development:

React JS / Next JS, CSS & Tailwind CSS, Node JS, Express JS, REST API, React Native Expo.

EXPERIENCE

Shoplover (US-Bangla sister concern)— *React Developer Intern*

December 2022- February 2023

- Learned Next JS and Tailwind CSS framework.
- Collaborated with 4 team members to build the front-end of "Shoplover" website with Next JS and Tailwind CSS.
- Attended daily scrum meetings and implemented functionalities and changes as per client request.
- Learned office ethics and communicated with office staff and project team on a daily basis.

EXTRA-CURRICULAR ACTIVITIES

Secretary at ROBU Arts & Design, **Robotics Club of BRAC University**

December 2019 - August 2022

Junior I at AI & Autonomous Team, **BRACU Mongol Tori**

February 2021- December 2021

Participant , **NASA Space App Challenge 2021**

December 2019 - August 2022

Participant, **International Planetary Ariel Systems Challenge**

March 2021- May 2021

PROJECTS

Data Analytics & ML/DL (Kaggle & Github): Human Activity Analysis and Recognition, Netflix Movie review and visualization, Text Disease symptom analysis and prediction, Analysis on Data Science salary, Object detection and masking algorithm(OpenCV), Hand tracking sketchboard (OpenCV), Color detection(OpenCV), Voice assistant (python), GNN & CNN fusion Emotion Recognition, Sedimentary Rock Classification(CNN and YOLO).

Web Development (Github): Online Car Rental System (MERN), Online Food Order System (MERN), Portfolio Website (React JS UI), BaliBaba (E-Commerce, Under Development, MERN).

App Development (Github): Task Scheduling App (React Native), Direction Map App (React Native), Home Tracker App, COVID Oracle App (Android).

RESEARCH WORK

- [Electroencephalogram based Emotion Recognition with Hybrid Graph Convolutional Network model . (Accepted in IEEE CCWC 2023 conference)](#)
- Text Classification using Graph Neural Network

REFERENCES

Dr. Md. Golam Rabiul Alam
Professor, BRAC University

Database System:

MongoDB, MySQL

Additional skills:

Data Analysis and Visualization

Data Structure and Algorithms

Greedy and Dynamic programming

Git & Github

Problem Solving

Creative Approach

SOFT SKILLS
Good Communication
Teamwork
Time Management

HOBBIES

Movies/TV Shows
Gaming
Sports
Solving Puzzles
Traveling

COURSES

1. [Introduction to Cyber Security Tool & Cyber Attacks (Coursera)](#)
2. [Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning (Coursera)](#) .
3. [Recurrent Neural Network (RNN) for Language Modeling. (Datacamp)](#)
4. [Google Data Analytics (Coursera)](#)