



NAFIZ SADMAN PREETOM

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Objective

As a Machine Learning apprentice and admirer of Artificial Intelligence, I try to utilize my acquired skills on the fundamentals to achieve my goals. Also the knowledge of Web Development has equipped me to stay up to date. I wish to work in a position where I can apply my knowledge and skills to bring forth real world solutions.

Skill Sets

- **Machine Learning, Artificial Intelligence, and Deep Neural Networks:**

NLP, NLG, NLU, CNN, RNN, LSTM, GloVe, word2vec, GENSIM

- **Programming Languages:**

C, C++, C#, Java, Python, MySQL, HTML5, CSS3, Javascript, MATLAB

- **Frameworks and models:**

PyTorch, NodeJS, mongoDB, MVC

- **Programming Concepts:**

Algorithms, Data Structures, Discrete Mathematics, Database, 8086 Assembly

- **Programming Contests:**

HackerRank, CodeChef, Spoj, Sql-ex, NASA Space App

- **Familiar IDE:** CodeBlocks, Visual Studio, Anaconda, Netbeans, C9.io

- **Office Skills:** Word, Visio, Powerpoint, Excel

- **Familiar OS:** Windows, Linux

Research and Projects

- **Bengali Word Embedding using Natural Language Processing (RNN)** [2019 – On going]

Independent University, Bangladesh

Supervisor: Dr. Amin Ahsan Ali, PhD

Task Summary:

- Using **PyTorch** to create **RNN Model** for test-train
- Using **7 Lakh Bengali dataset** to build corpus
- Testing Prediction and Evaluation of methods on **CBOW**

- **V-Hub : An online platform (web application) for Organization and Volunteers** [2018]

Task Summary:

- Using **NodeJS**, Mongoose, Socket.io at backend and HTML5-CSS-JS, JQuery, BS4 in frontend
- Using **mongoDB** as database
- Maintaining **MVC** framework

Work Experience

- **12 Day Intensive Rural Training by Brac Learning Center at Dinajpur** [2019]

- **Research Assistant, Image Extraction for Number Plate Detection, Independent University, Bangladesh** [2017]

- **Teaching Assistant, CS101 (Introductory Programming), Independent University, Bangladesh** [2017]

- **Teaching Assistant, Mathematics, Axis Edu** [2013]

- **Event Coordinator, National Physics Olympiad School Level, Maple Leaf International School** [2012]

Education

- Bachelor of Science in Computer Science and Engineering [January 2016 – August 2019]
Independent University, Bangladesh
Major: Computer Science and Engineering Minor: Management Information Systems
CGPA: 3.85 (In scale of 4)
Course Curriculum: <http://www.cse.iub.edu.bd/degrees/3#courselist>
- International General Certificate of Secondary Education (IGCSE) Advanced Levels (A' Levels) [2015]
Maple Leaf International School
Equivalent CGPA: 3.5 (In scale of 4)
- International General Certificate of Secondary Education (IGCSE) Ordinary Levels (O' Levels) [2012]
Maple Leaf International School
Equivalent CGPA: 4 (In scale of 4)

Extra Activities and Achievement

- ACM SIGCHI Summer School, Bangladesh [2019]
- Notre Dame University(NDUB) Hackathon [2017]
- Vice Chancellor's Honor List [2018 – 2016]
- Dean's Honor List [2016]
- British Council Distinction Award in Reading Competition [2016]
- The Daily Star Award [2012]