



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

- **Frameworks and models:**

PyTorch, NodeJS, mongoDB, Django

- **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

- **Intrinsic Evaluation of Bangla Word Embeddings** [2019]

In 2nd International Conference on Bangla Speech and Language Processing (ICBSLP), Sylhet, Bangladesh.

Supervisor: Dr. Amin Ahsan Ali, PhD

Task Summary:

- Using **PyTorch** and **Gensim** to create **RNN Model**
- Using **13 Lakh unique Bengali dataset** to build corpus
- Testing Prediction and Evaluation of methods on **CBOW and Skipgram model**

- **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

- **Jr. Machine Learning Engineer** [Oct, 2019 – present]

Past: **Machine Learning Intern** [Aug, 2019 – Sep, 2019]

Silicon Orchard Ltd

- Reviewer Verification System
 - Classify user using **Jaccard Similarity** and **Vader Sentiment Analysis**
- Authorship Attribution
 - **Stylometric Analysis**
- Full scale deployment
 - Scalable **data scrapping** using **Scrapy**
 - Building **UI** for **model implementation** in **Django (2.0)**
 - Deploying in **ec2 AWS Server** with **Apache2**

- **Research Assistant** [Jan, 2018 – present]

Center for Cognitive Skills Enhancement
Independent University, Bangladesh

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: 3.81 (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]
- Event Coordinator, National Physics Olympiad School Level [2012]