



M. M. IMRAN

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Summary:

I am a Full-stack Software Engineer with 4+ years of experience. I have worked in several programming languages and large datasets. Greatly motivated to do research in the field of Artificial intelligence focusing particularly on Machine learning.

Education:

Master of Science in Information Technology CGPA: **3.65** out of 4
Institute of Information Technology, Jahangirnagar University Year: 2017

Bachelor of Science in Information Technology CGPA: **3.62** out of 4
Institute of Information Technology, Jahangirnagar University Year: 2015

Technical Skills:

Programming: Python, JavaScript, PHP, R, C
ML: PyTorch, Scikit-learn, Keras, Pandas, Matplotlib, NumPy
Database: MySQL, SQL, MongoDB
Others: HTML, CSS, Bash, Git, AWS, Docker

Employment Experience:

Cefalo Bangladesh (Sep 2019 - Present)
Software Engineer - My responsibility is to collect data programmatically from numerous sources, organize and filter it for Data Analysis.

Rapid Web Services (May 2018 - Sep 2019)
Fullstack Developer - I worked with frontend, backend, and CI/CD of an inventory management system for a business social network platform.

Codalo (Nov 2016 - Apr 2018)
Software Engineer - My task was brainstorming and developing features for an automated school management system and parcel delivery system.

Research Interest:

- Machine Learning
- Software Engineering

Achievements:

- National Science & Technology (NST) fellowship 2016-2017
- Jahangirnagar University Student Scholarship for Academic merit list (2012-2015)
- Got the highest grade (5 out of 5) in Secondary School Certificate and Higher School Certificate exam

Coding Activities:

- Contributing and maintaining several popular open-source projects on [GitHub](https://github.com)
- Solved 600+ coding challenges on various competitive programming websites like [Hackerrank](https://www.hackerrank.com), [Codewars](https://www.codewars.com), [Codesignal](https://www.codesignal.com), [Codingame](https://www.codingame.com)
- Currently actively learning and contributing to Kaggle

Certifications:	<ul style="list-style-type: none"> ❑ Scientific Computing with Python (link) ❑ JavaScript Algorithms and Data Structures (link) ❑ M121: The MongoDB Aggregation Framework (link) ❑ M001: MongoDB Basics (link) ❑ Information Technology Passport Examination (ITEE - IP) (link) ❑ Responsive Web Design (link)
ML Projects:	<ul style="list-style-type: none"> ❑ Chatbot Built and trained a multi-domain generative conversational model that can carry out a meaningful conversation with a human in multiple domains. ❑ COVID Detection form X-RAY Identify the image of COVID affected chest X-RAY using deep learning utilizing Convolutional Neural Network (CNN). ❑ Fake Handwritten Digits Built a GAN (Generative Adversarial Networks) model that learns from real handwritten digits to generate its own handwritten digits. ❑ AI Translation A sequence-to-sequence based Recurrent Neural Network model that can predict the English translation of a short German sentence. ❑ Sentiment Analysis Used GloVe pre-trained vector embeddings in PyTorch to perform sentiment analysis on text data utilizing binary classification. ❑ Name Language Predictor A RNN model that operates on characters as one-hot encoded tensors that can predict the language given the name of an individual. ❑ COVID Data Analysis using R A simple analysis to find out whether or not COVID has more effect on older people and secondly on a specific gender. ❑ COVID Tracking using R A R script that grabs data from European Center for Disease Control (ECDC), processes it, and finally shows different stats as plots. ❑ Wattsight Gather renewable energy data from various sources, preprocess, classify and store in a cloud for further data analysis to predict future energy.
Web Projects:	<ul style="list-style-type: none"> ❑ EHMR Electronic Health and Medical Record System ❑ SeeBiz Inventory Management System with business social network ❑ DevTut Collection of example based programming tutorials on 45+ topics ❑ Spelling Quiz Learn difficult English spelling though quiz ❑ Notepad Store and share notes ❑ Movie Rating Movie scrapper and rating API ❑ Top Links Community based link sharing platform ❑ Excelsior Express Parcel tracking system with Android app ❑ Chat App Realtime group chat platform
Conference Proceedings:	<p>ST Atik, M. M. Imran, JN Mahi, JA Jeba, ZI Chowdhury and MS Kaiser, “An adaptive routing algorithm for on-chip 2D mesh network with an efficient buffer allocation scheme”, 4th <i>IEEE IC4ME2</i>, Year: 2018, Pages: 1-4, DOI: 10.1109/IC4ME2.2018.8465582. [IEEE Xplore]</p>
English Proficiency:	<p>IELTS: 7 (Listening-8, Reading-6.5, Writing-6.0, Speaking-6.5)</p>
References:	<p>Available Upon Request</p>