FARHANUR RAHIM ANSARI
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LinkedIn | Github | Portfolio
Available: Jan 2021 – June 2021

EDUCATION

Northeastern University, Boston, MA   Sept 2019 – Present
Master of Science in Data Science (CGPA: 3.9/4.0)   Expected graduation: Dec 2021
Related courses: Algorithms, Machine Learning, Deep Learning, Data Mining, Causal Modeling, Reinforcement Learning

PDPM Indian Institute of Information Technology Design and Manufacturing, Jabalpur, India   Aug 2014 – May 2018
Bachelor of Technology in Computer Science and Engineering
Related courses: Probability and Statistics, Linear Algebra, Data Structures, Algorithms, Database Design and Management

TECHNICAL KNOWLEDGE

Programming:	Python, R, Java, C/C++
Database:	Oracle Database, MySQL, PL/SQL
Data Cleaning:	Pandas, Numpy, OpenCV, PCA, TSNE, BeautifulSoup, Tidyverse, Dplyr
Data Visualization:	Tableau, Matplotlib, Seaborn, Plotly, PIL, mpl_toolkits, Ggplot2
Machine Learning:	Scikit-learn, scipy, NLTK, Spacy, Tensorflow, Keras, PyTorch, Pyro, Caret, mlr, bnlearn
Big Data Technologies:	Hadoop, HDFS, MapReduce, Spark, Pig, Hive, HBase, MongoDB, ZooKeeper, Flume
Software:	AWS, Jupyter Notebook, Spyder, R Studio, MS Excel, Git and Github, Tortoise SVN

WORK EXPERIENCE

Teaching Assistant | DS3000: Foundations of Data Science, *Northeastern University*   Summer 2020 - Fall 2020
- Responsible for helping students with their doubts and group projects, holding office hours and grading tests.

Associate Consultant | Oracle Financial Services Software Ltd., *Bangalore, India*   July 2018 – July 2019
- Redesigned and modernized functionalities and screens of **FCIS J2EE** application to serve HSBC's requirement.
- Coordinated with the onsite team as lead **SPOC** and promptly delivered, packaged objects of Sprint 10 User Stories.
- Accomplished the **Agile** driven Software Development Process with **Scrum** and **Sprint** methodologies.

Software Development Intern | Fujitsu, *Numazu-shi, Shizuoka, Japan*   June 2017 – July 2017
- Pursued the Research and Development of a migration tool for converting **Java Applet** code to **HTML** and **JS**.
- Developed two components of the kit while working on the **Waterfall** model of Software development

PROJECTS

StackOverflow Assistant, *Coursera* – (Telegram link)   June 2020 – July 2020
- Developed an interactive conversational chatbot that assists with a search on StackOverflow and holds a dialogue.
- Deployed and Integrated the virtual AI bot on Telegram messenger and hosted it on Amazon **AWS cloud server**.

Image-based Product Recommendation System, *Northeastern University*   Jan 2020 – April 2020
- Worked on the e-commerce dataset of 45k high-resolution product images belonging to 143 article types.
- Applied dimensionality reduction with 96% components reduction, **clustering**, and **cosine similarity techniques**.
- Generated real-time product recommendations using **REST API** in python on top of **Flask framework**.

Deep Causal Variational Autoencoder, *Northeastern University*   Jan 2020 – April 2020
- Developed a causal DAG with endogenous and exogenous variables on the dSprite dataset using **Pyro Library**.
- Implemented an SCM by sampling latent variables using 4 different probability distributions on top of a deep VAE.

Intraday Stock Market Price Prediction, *Northeastern University*   Sept 2019 – Dec 2019
- Predicted the intraday closing prices by solving a time-series regression problem on a dataset of 180k+ records.
- Implemented statistical models for 3 different time intervals using **Python's Scikit Learn and Keras libraries**.

CERTIFICATIONS

- Natural Language Processing – National Research University Higher School of Economics | Coursera – July 2020
- The Ultimate Hands on Hadoop – Sundog Education by Frank Kane | Udemy – August 2020
- Open-Access Strategy Consulting Virtual Experience Program | Boston Consulting Group – InsideSherpa – August 2020

ACHIEVEMENTS

- Represented India in the 29th Ship for World Youth Leaders Program, organized by the Cabinet Office, Government of Japan, held in Japan, New Zealand, and Fiji from 17th Jan - 4th Mar 2017. The program was organized to improve leadership, project management, communication, and cross-cultural understanding skills of next-gen global leaders.