AIMEN INAM

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Skills

1. Machine Learning
2. Natural Language Processing
3. Deep Learning
4. Data Mining
5. Web Development (MEAN Stack)

Tools and Languages

1. Programming Languages (Python, Golang, Java)
2. Web Technologies (Angular, Express NodeJS)
3. Databases (Firebase, MongoDb, MYSQL)
4. Machine Learning Tool kit - Pytorch, TensorFlow, Keras, Sci-Kit Learn

Projects

1. Machine Learning Projects

- Implemented KNN's, Linear Regression, Naive Bayes Theorem from Scratch as well as using libraries
- Implemented Neural Networks, KNNs, Ensemble Methods for classification for Authorship Attribution Project

2. Deep Learning Projects

- **Image Classification:** Emotion Detection System, Flower Classification
- Facial Recognition System

3. Natural Language Processing Projects

- Generating Sentences using N-Grams with Back off Strategy

Summary

I believe a lot can be accomplished through hard work and passion and that's what best describes me

Education

2021-2023

MS in Computer Science

Lahore University of Management Sciences (LUMS)

Relevant Courses: Machine Learning, Data Mining, Natural Language Processing, Network Security, Distributed Systems
CGPA: 3.6

2017-2021

BS in Computer Science

National University of Computer and Emerging Sciences (FAST NUCES)

Relevant Courses: Programming (C, C++, PYTHON, JAVA), Web Development (MEAN), Android Development (JAVA)
CGPA: 3.6

Work Experience

July 2022-May 2023

Research Assistant

Lahore University of Management Sciences (LUMS)

Following Research Projects have been done:

1. A First Look at Public Service Websites from the Affordability Lens
(Accepted at TheWebConf2023)

Worked on the Project where we researched about the Public Websites in Developing and Developed countries and suggested some measures and opportunities for improving web affordability in developing countries.

Publication: https://dl.acm.org/doi/abs/10.1145/3543507.3583415

2. A Framework for Improving Web Affordability and Inclusiveness
(Accepted at SIGCOMM 2023)

Worked on a Project for Page Reduction where we tried to reduce Image and JavaScript sizes to meet a certain Threshold of Page size.

Sep 2022-Dec 2022

Teaching Assistant

Lahore University of Management Sciences (LUMS)

Managed Distributed Systems Course with Instructor

- Using Decision Trees to identify End of Sentences
- Multinomial Classification of Movie Ratings using Naive Bayes and Logistic Regression Algorithms. Both the Algorithms were implemented from scratch as well as using libraries
- Explored Glove, Word2Vec, FastText and Doc2Vec Embeddings
- Explored Tensor Flow Keras, Max and Average Pooling, RNN, GRU, LSTM, BERT and DistilBERT

4. Boston Crime Analysis: Data Mining Project

Used Data Cleaning, clustering, frequent pattern mining, visualizing to understand crime patterns in different Boston districts

5. RAFT Project

Used GOLANG to implement RAFT Distributed Systems

6. Sports Website using MEAN Stack

Implementation of Sports Website in which players of different ranks can play with each other and their attendance and scores are checked

7. Chat implementation using JAVA

Implementation of Chat using JAVA, JAVAFX, databases, networks and threading

8. Chat App: Android Project

Android Implementation of Chat App 'Bistro Chat' using Firebase, MySql databases

9. NextCloud Server Deployment on Microsoft Azure

Deployed NextCloud Server on Microsoft Azure to be accessed and used publicly

Jan 2020-July 2020
Teaching Assistant
National University of Computer and Emerging Sciences (FAST NUCES)

Managed Object Oriented Analysis and Design (OOAD) course with Instructor

June 2019- Aug 2019
Web internship
Funavry Technologies

- Learned and implemented Web design using Angular
- Tested the front end of Web Pages
- Used Trello for reporting errors

Dec 2018-May 2019
Teaching Assistant
National University of Computer and Emerging Sciences (FAST NUCES)

Managed Calculus Course with Instructor

Honors and Awards

Medals

1. FAST NUCES Gold Medalist Fall 2020
2. Fazaia College Gold Medalist 2017

Honours

1. Cum Laude FAST NUCES Graduate
2. FAST NUCES Dean's Honor List Spring 2019
3. FAST NUCES Dean's Honor List Fall 2019
4. FAST NUCES Rector's Honor List Fall 2020
5. FAST NUCES Dean's Honor List Spring 2021

Certifications

- Certificate by Chief of Air Staff in FSC Result
- IBM Cloud Essentials V3- Cognitive Class
- Data Science Tools- Cognitive Class
- Data Science Methodology- Cognitive Class
- Introduction to C# Programming and Unity- Coursera
- Introduction To Generative AI - Google Cloud Skills Boost
- Introduction To Responsible AI - Google Cloud Skills Boost
- Transformer Models and Bert Model - Google Cloud Skills Boost
- Introduction To Large Language Models - Google Cloud Skills Boost
- Introduction To Image Generation - Google Cloud Skills Boost

The rest Certifications are on Linkedin