

Eman Ijaz

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I'm a graduate student of Computer Sciences, whose passion revolves around solving real world challenging problems related to Data Science and Machine Learning fields. Further, I am interested in learning full stack development, UI / UX and AWS knowledge.

WORK HISTORY

Graduate Research Assistant (2020 – Present)

Working on Spatio Temporal Emission Mapping Project under supervision of [Dr. Naveed Arshad \(Phd Computer Science, University of Colorado\)](#). It focuses on presenting accurate Air Quality Index, monitored by mobile sensors in the country. Working in technologies Google Maps API, AWS EC2 instance, MongoDB.

Software Engineer - (2019 - 2020)

7Vals, Pakistan

- Develop project concepts and maintain optimal workflow.
- Work with senior developer to manage large, complex design projects for corporate clients.
- Complete detailed programming and development tasks for front end public and internal websites as well as challenging back-end server code.
- Carry out quality assurance tests to discover errors and optimize usability.

EDUCATION

Masters of Computer Sciences (2020-Present)

Lahore University of Management and Sciences

Masters in Computer Science with focus on Machine Learning and Data Science.

Bachelor of Computer Science (2015 – 2019)

National University of Computer and Emerging Sciences, Pakistan

- **Courses:** Artificial Intelligence, Design & Analysis of Algorithms, Object Oriented Analysis & Design, Human Computer Interaction, Assembly Language, Data Structures, Operating Systems, Discrete Structures, Advance Database Concepts, Probability & Statistics, Information retrieval, Computer Architecture, Web Programming, Data Science.
- **Cumulative GPA:** 3.39/4.0; Dean's List

High School (2013-2015)

Punjab Group of Colleges, Pakistan

- **Marks:** 1008/1100; Awarded full scholarship

SKILLS

● C/C ++ ● HTML / CSS ● Ruby on Rails ● PHP ● Python
● Javascript

CERTIFICATES

- HARVARDX (Introduction to Computer Science) [See Certificate](#)
- Machine Learning by Andrew NG [See Certificate](#)
- Data Analyst with Python [See Certificate](#)
- Importing and Cleaning Data with Python [See Certificate](#)
- Python Programmer [See Certificate](#)
- Natural Language Processing in Python [See Certificate](#)
- Deep Learning in Python [See Certificate](#)
- Supervised Learning With Scikit-Learn [See Certificate](#)

ACADEMIC PROJECTS

Image Filter Application

A small tool which helps to apply filter (linear and nonlinear) on desired images. [See Project](#)

Twitter Sentiment Analysis

An application by using which you can view positive, neutral and negative ratings of tweets for any person's profile. [See Project](#)

Web Scraper

A small search engine which ranks documents for given queries using TFIDF, IDF, JELINEK MERCER and OKAPI BM25 scoring functions. [See Project](#)

Optical Character Recognition

Using this application we can read characters written on paper, document or image. A Computer Vision Project made in Matlab environment. [See Project](#)

News Article Application

An application which helps in finding important news / articles of countries immediately. A database is maintained for target countries. [See Project](#)

Weather Forecast Website

Using this website, we can forecast weather of various states. [See Project](#)

Computer Offloading On Mobile Edge Clouds In the Presence Of User Mobility

Final Year Project which makes offloading decision on mobile edge clouds about user applications while considering user mobility. Goal is to offload maximum number of applications with minimum latency and best user satisfaction.

VOLUNTEER EXPERIENCE

MICROSOFT AZURE MACHINE LEARNING SCHOLARSHIP

- I was offered this scholarship for challenge course leading to Nanodegree by Udacity. I participated in Slack Channels, group study activities, 50 days of Udacity as a volunteer to learn from more than 5000+ community of scholars and helped them in completing the challenge.

ASSOCIATION OF COMPUTER AND MACHINERY

- **Data Science Workshop** - Attended workshop for data science which helped a lot in grasping concepts related to Big Data. Learned about cleaning and importing data, EDA (Exploratory Data Analysis), Analysis of Data and ML related applications.
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