Abdullah Mughal

amughal.bscs17seecs@seecs.edu.pk | (+92) 321 7742197 | Islamabad, Pakistan
https://github.com/abdullahmughl | https://www.linkedin.com/in/abdullah142/

SUMMARY

Fresh Graduate from National University of Science and Technology's Computer Science Program. Seeking a challenging career with a progressive organization that provides an opportunity to capitalize my technical skills and abilities in the field of MERN Full Stack Development and Deep Learning.

MAJOR PROJECTS

Awair

There are only 3 air quality monitoring stations in Pakistan which provide only point values. To overcome this issue, I am using satellite imagery to collect air quality data. That data is then masked over required regions of interests. Then missing values are then filled using interpolation techniques. It is then fed into a Deep Learning model which predicts future values. That data is then implemented on a web portal for public awareness and environment regulatory units to take precautionary measures before time.

https://awair-pk.herokuapp.com/

Khareedlo, A store to buy and sell stuff online

It is an online store specially build for hostelite students to buy and sell used stuff at low price. it was build using MERN stack. I used CSS from OLX Pakistan and replicated the backend functionality of it.

https://github.com/abdullahmughl/khareedlo

PPM Editor, An image editor for ppm files

It is a command line-based editor designed in C Language. The basic purpose of this project was to implement an image editor capable of doing 20 basic photo manipulation function with a support for ".ppm" files. A user can perform multiple photo manipulation function as well.

https://github.com/abdullahmughl/PPM-Editor/

Shutterline, An online camera renting website

It is a web-based project design to provide photography related stuff on rent. A user can rent any equipment related to photography. There is a support for freelancer to get hired. A user can hire any freelance photographer in their area for anything like Wedding photography, Birthday shoots and even personal shoots.

Custom on the go file system

A file system was designed with a support of a server and clint. The basic purpose of this project was to design an OS free based file system which can be accessible from anywhere around the world. First server-side user must start the file system then client enters the IP address of the server. It supports multiple clients and a feature of halting to prevent two clients to edit same file at a time. It can create, delete, read, write, truncate, and re-address file locations.

WORK EXPERIENCE

- **Technical Content Engineer at Educative, Lahore** (June-2021 to Present)
  TCE create engaging technical content and work with subject matter experts to build courses on the platform
- **Worked as Community Service Worker at WWF, Lahore** (June-2018 to Aug-2018)

EDUCATION

National University of Science and Technology (NUST), Islamabad

- Bachelor's Degree in Computer Science   (**CGPA:** 3.38)

CERTIFICATES

Deep Learning Specialization
Coursera Online Platform (License No: L78QLQ5F9A4G)
Deep Learning and Neural Networks
Coursera Online Platform (License No: GA73P4FWS38L)
Structuring Machine Learning Projects
Coursera Online Platform (License No: 5SB8QKXSB8QX)
Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization
Coursera Online Platform (License No: XMPXNHXYWUXC)
Convolutional Neural Networks
Coursera Online Platform (License No: HFAG7VD97Q49)
Sequence Models
Coursera Online Platform (License No:53DNYJU79BJ7)

SKILLS

Programming Languages: Python, Javascript, HTML, CSS, C/C++, MySQL

Deep Learning: Python Data-Science libraries such as numpy, pandas, seaborn. Tensorow API work experience and keras API knowledge. Domain of Natural language processing, libraries such as nltk Deep Learning Neural Networks like CNNs, RNNs, ConvLSTMs Knowledge of Image clustring, segmentation and image pre-processing

Use of Web Technologies: Web Frameworks (e.g., Bootstrap, Semantic UI, etc.), Jekyll, Heroku Deployment of Webapps Full Stack Web Development using MERN Stack Understanding of micro-service architecture and server-less architecture (Node.js)

Source Control: GitHub

Operating System: Windows, Linux, Mac OS

LANGUAGES

Urdu (Native)
English (Writing and Speaking)

INTERESTS

• Web Development • Self-Driving Cars • Artificial Intelligence • Blockchain • Photography • Horse Riding • Gaming • Travelling