# **Muhammad Azam Afridi**

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**Address** 

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### Objective

Analytically minded and dynamic junior year AI student with efficient knowledge of artificial intelligence looking for an internship position where I can grow and learn from experienced team members while drawing on project experience which I have already successfully executed.

## Education | Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI)

Topi, PK

Bachelors of Science in Artificial Intelligence

2020 - 2024

CGPA: 3.67/4.00

#### **Pakistan School Salalah**

Salalah, Oman

HSSC Intermediate of Computer Science

2018 - 2020

Result: 946/1100

# Work Teacher assistant at Ghulam Ishaq Khan Institute of Engineering **Experience** Sciences and Technology (GIKI)

Topi, Pakistan January 2021 - June 2021

As a result of my good performance in academic and extracurricular activities, I was given the opportunity to work as a teacher assistant for the course CE121 (Digital logic and design) in the fall semester. I was assigned the tasks to mark attendance, answer students general queries, grade students assignments and quizzes.

# **Projects**

# Academic Driver drowsiness detection application using Convolutional Neural Networks

Built a driver drowsiness detection application to detect the drowsiness level of the driver and alert the driver if the drowsiness of the driver has reached a specified threshold. Utilized Python, OpenCV, Tkinter and Tensorflow to develop the application.

## Movie recommender system using natural language processing

Built a web-based movie recommender system which takes the movies the user liked as input and recommends the list of movies which the system thinks the user would be interested in. Utilized Python, Tensorflow, Nltk, Html, Css and Javascript to develop the application.

# Online shopping system using oracle sql

A web-based platform that allows customers to browse and purchase products. Managed and maintained a database of product information and provided the user with the feature of selecting driver of its choice according to their ratings and pricing.

# To do list application using Flask

A simple To Do List Application where one can add, remove and update to do list. Utilized flask, html, css and jinja templating for flask.

#### Connect 4 game using minmax algorithm

Developed a Connect Four game using the Minimax algorithm in AI to create an intelligent and challenging opponent. Utilized pygame library in python to add computer graphics and sound functionality.

## Airfare optimizer using graphs in C++

The goal of the project was to find the cheapest path and airlines for travelling from one place to another if you are allowed to use multiple airlines during your travel. Utilized C++ programming language for the project.

- Awards & Received Dean's Honor Certificate three out of five times at Ghulam Ishaq Khan Institute of Achievements Engineering Sciences and Technology (GIKI)
  - Specialization in Machine learning from Coursera
  - Certification of Supervised Machine Learning: Regression and Classification from Coursera
  - Certification of Advanced Learning Algorithms from Coursera
  - Certification of Unsupervised Learning, Recommenders, Reinforcement Learning
  - Certification of Python for Machine Learning & Data Science Masterclass from Udemy
  - Certification of What is Data Science? from Coursera
  - Certification of Foundations: Data, Data, Everywhere from Coursera
  - Certification of Convolutional Neural Networks from Coursera
  - Certification of Challenge Labs from Coursera
  - Certification of Tools for Data Science from Coursera
  - Certification of Data Science Methodology from Coursera
  - Headboy of Pakistan School Salalah, Oman

# Skills

- Python ( Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn, Flask Keras, Tensorflow, Opencv)
- SQL(Oracle sql, Mysql) and NoSQL(MongoDB)
- Programming Languages: Python, C++ ,and C
- Skilled in MS Excel
- Skilled in MS Powerpoint
- Git(Github)
- Familiar: Html, Css, Javascript, Php