

ASIF YAR

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OBJECTIVE

Dedicated professional with a proven track record of achievements, aiming to secure a position that fosters the advancement and application of my expertise. Eagerly pursuing an opportunity in the data science realm to channel my proficiency, skills, and experience into challenging projects and continuous growth.

EXPERIENCE

Data Scientist — Pakistan Navy

February 2020 – August 2022

- Vessel detection and tracking system using machine learning algorithms for effective maritime security
- Naval warfare prediction system incorporating ship speed, weather conditions, and firing angles, enabling precise timing for target elimination
- Simulations and models to predict the outcomes of different naval strategies
- Analysis of historical data to optimize fleet deployment, route planning, and fuel consumption for naval vessels
- Existing Data Pipeline Optimization for Enhanced Maritime Analytics

Data Scientist — University of Sargodha, Sargodha

February 2019 – February 2020

- Student enrollment prediction model for optimise resource allocation and planning of class schedules using time series analysis and machine learning
- Predictive analytics model to identify patterns in campus security incidents

Jr Data Scientist — University of Sargodha, Sargodha

June 2018 – February 2019

- Analysis of student performance data to identify students at risk of academic underachievement

SKILLS

Python
Scala
Pytorch
Pytorch Geometric (PyG)
SQL, Postgres
Apache Spark
Spark ML
Keras
Scipy
Pandas, Numpy
Seaborn, Matplotlib, Folium
AWS
Azure
Github
Predictive Modeling
Data Analytics
Time Series Analysis
Data Visualization

TOOLS

Tableau
Visual Studio
Databases (MS-SQL, MySQL)
MS SQL Server
Jupyter Notebooks

EDUCATION

PhD in Graph Machine Learning — *Atlantic Technological University Donegal, Ireland*

September 2022 – till date

- Graph deep learning for spatio-temporal modeling of dynamic graphs with time series data

MS Computer Science — *Department of CS & IT, University of Sargodha*

2018 – 2021

BS Software Engineering — *Department of CS & IT University of Sargodha*

2014 – 2018

PUBLICATIONS

<https://scholar.google.com/citations?user=cmHxng8AAAAJ&hl=en>

CERTIFICATIONS

1. *IBM Data Science Professional Certificate*
2. *Data Science Fundamentals with Python and SQL*
3. *Introduction to Data Science*

INTERESTS

Contrastive Learning

Few-shot Learning

Graph Neural Network

Spatio Temporal Modeling

SOFT SKILLS

Teamwork

Excellent Communication

Creative

Openminded

LANGUAGES

English

Arabic

Urdu