

# Muhammad Jawwad Shah

## Data Analyst

Motivated computer science graduate with experience in Python, machine learning, and data analysis seeking a data analyst position to contribute to the organization's success. Proficient in Numpy, Pandas, Matplotlib, Seaborn, supervised and unsupervised machine learning techniques, and hyperparameter tuning.

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## EDUCATION

### Bachelor of Computer Science (BSCS)

Sindh Madressatul Islam University.

09/2018 - 02/2023

Karachi, Pakistan

#### Courses

- Relevant Courses: Artificial Intelligence, Probability and Statistics, Database Management System, Natural Language Processing, Machine Learning, Data Structure and Algorithms

## WORK EXPERIENCE

### Data Analyst Internship Program

Dev Town

07/2022 - 10/2022

#### Achievements/Tasks

- Analyzed large datasets using Python, Pandas, and SQL.
- Worked on various machine learning algorithms including train\_test\_split and feature engineering.
- Conducted exploratory data analysis and feature selection on various datasets

### AI and Data Science Internship

Sayabidevs

01/2023 - 03/2023

<http://www.infopillarsolution.com/>

#### Achievements/Tasks

- I completed a project with customer issues and solved them according to the dataset.
- Conducted data analysis on the COVID-19 dataset for India.

### Artificial Intelligence & Machine Learning

Intern

Metafour Technologies

11/2022 - 12/2022

Pakistan

#### Achievements/Tasks

- Conducted exploratory data analysis and visualization on the Ames Housing Price dataset.
- Conducted exploratory data analysis and visualization on the Ames Housing Price dataset Implemented ensemble methods on Logistic Regression and Support Vector Machine
- Trained and optimized a convolutional neural network on the Cifar\_10 dataset for image classification.

## SKILLS

Python

SQL

Tableau

Pandas

Supervised Learning

Machine Learning

Data Analysis

Statistics

Unsupervised Learning

## PROJECTS

### Data Analysis on Olympics Historical data

- Completed Olympics historical data analysis project with live dashboard deployed on Streamlit

### Sales Prediction on Big Mart Dataset

- Completed the project with linear regression algorithm and predict 2013 sales with the model .

### Linear Regression (univariate/multivariate) .CaseStudy

- The main focus of this project is to know how independent variable (X) and dependent (y) relation and after the results are calculated check the coefficient (slope) and intercept (b1) having the relation.

### Classification of Heart Disease

- The focus of this project is to classify heart disease with complete EDA, feature engineering, and training three models (SVC, random forest, and logistic regression), then find the importance label, and then write a notebook conclusion.

### Clustering on Complaint Dataset

- Conducted PCA on customer complaint dataset, resulting in feature reduction and identification of key drivers of complaints for improved analysis and visualization.

### HR Dashboard

- developed an interactive HR analytics dashboard in Tableau, driving data-informed insights on employee performance, retention, and diversity.
- leveraged Tableau's data visualization capabilities to optimize HR processes and support strategic decision-making based on visualized HR analytics.

## CERTIFICATES

### Certified Data Analyst Karachi AI (01/2023 - 05/2023)

Completed a course covering SQL, machine learning, and statistics including hypothesis testing, AB testing, and linear regression projects

### IBM Data Analysis

#### Coursera

Introduction to Data Analytics(Completed) , Excel Basics for Data Analysis(Completed)

#### SQL Fundamental

Achieved proficiency in SQL fundamentals, demonstrating the ability to effectively query and manipulate databases for data retrieval and analysis.