



# Muhammad Muzammil

Dera Ismail Khan

03489057048 | muhammadmuzammil0008@gmail.com

 <https://muhammadmuzammilashraf.github.io/portfolio/>

 <https://www.linkedin.com/in/muhammad-muzammil-a98662199/>

## Objective

As a data scientist with a deep understanding of statistical analysis, machine learning techniques, and data visualization, I have a talent for turning data into actionable insights, identifying patterns and trends in data using this information to inform strategic decision making. I am always eager to take on new challenges and stay up-to-date with the latest advancements in the field.

## Experience

- ITWAREHUB** Feb,2023 - Aug,2023  
Jr. Python Developer
  - Develop and maintain Python applications and scripts
  - Write clean, efficient, and maintainable code
  - Perform code reviews and provide constructive feedback
  - Integrate Python code with SQL queries to perform data manipulation
  - Assisted in training and evaluating machine learning models, optimizing their performance and accuracy.

## Skills

- Python
- Data Science
- Machine learning
- Deep learning
- Pandas
- Numpy
- Scikitlearn
- Tensorflow
- Keras
- Natural language processing
- Data Visualization
- Django
- Flask

## Education

- COMSATS University Islamabad** 2019-2023  
Bachelors in Software Engineering

## Projects

- COVID-19 Health and Authentication System**
  - The application utilizes QR code technology to verify a person's identity based on their unique ID
  - Incorporating a deep learning model, the system checks whether the person is wearing a face mask or not.
  - An Arduino-based temperature sensor is integrated to measure the individual's body temperature.
- Quiz-Genius by Openai**
  - The Quiz Genius web app is a powerful tool designed to generate multiple-choice questions (MCQs) on various topics and difficulty levels.
  - It leverages the OpenAI GPT-3.5 Turbo model to provide accurate and challenging MCQs for users.

- **Heart Rate Prediction**

- Sudden variations in heart rate can pose serious health risks, including stroke, heart failure, and sudden cardiac arrest.
- This project focuses on leveraging time series analysis and AI techniques to predict heart rate, enabling early detection and treatment of health issues.

- **Stock Price Prediction**

- Stock price prediction is a common task in finance and investment.
- Historical stock price data has been used to build an LSTM model that predicts future stock prices.
- The project includes data retrieval, preprocessing, model building, and evaluation.

## Languages

- English
- Urdu

## Achievements & Awards

- Secure good competitive position in Visio Spark Debugging Competition.
- Received Mastering Python certificate provided by Weaver.