

# Usman Ghani Mughal

## Data Enthusiast & Software Engineer

I'm an enthusiastic and diligent software technology professional. Having worked on a variety of projects around various domains equips me with the ability to adapt, enhance and optimize towards quality solution delivery. I'm an equally exceptional performer under pressure with core focus at adhering timelines.



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stackoverflow.com/users/10096169/usman-ghani-mughal

## EDUCATION

### Bachelors in Computer Science COMSATS University Islamabad

02/2017 - 02/2021

GPA - 3.1

#### Tools and Technologies

- ETL Pipelines
- AWS (Redshift, S3, EC2)
- Data Modeling(SQL|NoSQL)
- MySQL | PostgreSQL
- Docker
- Apache Airflow
- Spark | HDFS | Hive
- DataWareHouse
- MongoDB | Cassandra
- GIT

## WORK EXPERIENCE

### Data Engineer Afiniti

04/2021 - Present

Islamabad

#### Achievements/Tasks

- Develop and Deploy Data Pipeline for multiple clients e.g. AT&T, T-Mobile, virgin media in US and UK.(Apache AirFlow)
- ETL processes | Stored procedure | Feature engineering | Data Modeling (MongoDB, MySQL)
- Build and optimize processes based on Multiprocess and Multithread in order to improve the efficiency of a process in controlled environment so we can manage QPS and use resources efficiently. (python)
- Data-Escrow Software : Programming model which assists with decreasing the expense and work on the effectiveness of a dataset in light of Cryptography, Encryption and Decryption utilizing SHA-256 in way that need to decrypt row by row utilizing individual decoding keys given by third party. (python)
- Web Scraping Engines for acquiring publicly available data from multiple sources without getting blocked with acceptable QPS. (python)
- Help and Guide to AI teams to comprehend and utilize third party data sets so they can work on the proficiency of their models.

### Full Stack Engineer One Day Event

02/2021 - 04/2021

California

#### Achievements/Tasks

- <https://onedayevent.com>
- Wrote backend API using Node and Implement UI designs on React.
- Build payment system through electronic invoice, using stripe API.
- Reduced the page | data size and optimize the loading time.
- Fixed Bugs in the system.

## SKILLS



## PROJECTS

### Academic

- News Classification & Recommendation Application(python | Scrapy | Aprori | Random Forest | JavaScript | MERN)
- ETL pipeline & Data Modeling (PostgreSQL | Apache Cassandra)
- Data Warehouse(ETL pipeline| S3 | Redshift)
- Data Lake(Spark | S3)
- Data Pipelines with Airflow
- Data Mining Tool (Python/ML)

### Personal

- Pakistan E-Market website (MERN)
- Game of Life(C++)
- Network Traffic Analyzer (Python)
- Product Affinity Analysis using Apriori algorithm
- Zameen.com Scraping Engine

### Free Lance

- Stock (Time Series) forecasting using deep learning (LSTM)
- Heart Disease Classification using ML ( Random Forest )
- Retail Churn Prediction using ML (Random Forest)
- Extract data from Pdf (retail invoices) using python
- C++ program optimization based on memory management
- assabuur.com Free Classified Adds Web App (PHP)

## CERTIFICATES

Data Engineering (Nanodegree - udacity)

### Linkedin Assessments

C | C++ | OOP | Java | Python | JavaScript | Machine Learning | MySQL | MongoDB | Node.js| REST APIs | PHP

### Hackerrank

SQL(Intermediate) | Problem Solving 3 Stars.

## INTEREST

Cricket | Snooker

Movies | Series | Music