

Mohsin Ali

Python Developer

I am a computer science enthusiast who has always been intrigued by the world of tech. It lead me to pursue a degree in software engineering and I have been working as a Python developer for over three years.

✉ mohsinalisep@gmail.com

☎ +923056379384

📍 Lahore, Pakistan

🌐 [linkedin.com/in/mohsinali8](https://www.linkedin.com/in/mohsinali8)

WORK EXPERIENCE

Software Engineer (Remote) Innotrade GmbH

04/2022 - Present

Herzogenrath, Germany

Achievements/Tasks

- Built **Jupyter Notebook** inside the **Jupyter Lab** environment for visualizing **Network(Knowledge) Graphs** by [European Broadcasting Union Class Conceptual Data Model](#).
- Wrote **Terraform** scripts for **customizable Cloud Infrastructure orchestration for AWS**, meeting client's organizational protocols.
- Contributed to the presentation of **Cloud Development Kit for EBU CDDM** at [Metadata Developer Network 2022](#) hosted by [European Broadcasting Union](#).

Associate Software Engineer Nextbridge Ltd.

12/2020 - 05/2022

Lahore, Pakistan

AlphaVu

Achievements/Tasks

- Revamped a legacy **Twitter Stream API** based data pipeline to significantly increase data collection **rate up to 30k more records per day**, collect more categories of data and improve the schema in database to aid Data Analysts.
- Built an **IMAP based** pipeline to retrieve and process data into an actionable chain of conversation for analysis. Modeled the workflow as Directed Acyclic Graphs integrated with Apache Airflow. This data pipeline broke the record of being **most robust and least error prone** out of all the data pipelines.
- Debugged and revamped a **CSV and IMAP** based data pipeline to fix fatal bugs. Also, modeled the workflow as Directed Acyclic Graphs to support **backlogging, monitoring, adaptability and scheduling** by using **Apache Airflow**.
- Built flexible **DAGs** with options to tweak using variable that enhanced the **backlogging, monitoring, flexibility and backlogging** capabilities of the data pipelines.

Software Engineer Ingenious Concepts

06/2019 - 10/2020

Lahore

Achievements/Tasks

- Built a full-fledged **Django** based **Classified Ads Web Application** to **digitalize hospitality industry** in Lahore.
- Designed and built an **extensive and durable** database schema to support **complex data storage**.
- Deployed and presented a **working prototype** of the Web Application on **Heroku** as a **final deliverable** and won **client's approval**.

EDUCATION

BS Software Engineering COMSATS University, Lahore

04/2016 - 05/2020

Lahore, Pakistan

SKILLS

Python

Django

Apache Airflow

REST API

Data Pipelines

Jupyter Notebook

Jupyter Lab

Elasticsearch

Amazon Web Services

Terraform

Docker

PostgreSQL

Heroku

Amazon EC2

Amazon S3

AWS Lambda

Amazon Secrets

Data Visualization

Network Graphs

GitHub

Jira

PERSONAL PROJECTS

FestiveCircle (2019) [🔗](#)

- A classified web application that digitalizes hospitality industry in Lahore.

LANGUAGES

English

Professional Working Proficiency

Urdu

Native or Bilingual Proficiency

INTERESTS

Cricket

Movies

Weight Lifting

Writing

Politics

History

TV Shows

Poetry

Learning

Music