MUHAMMAD ASAD KHALID

+923272939268|+923196685041|Muhammad.Asad.Khalid@outlook.com|www.linkedin.com/in/muhammad-asad-khalid|**https://masadkhalid.github.io/PORTFOLIO/|HOUSE NO F-74 JAIL ROAD KARACHI**

BIO:

Software Engineering Student | Lecturer | Aspiring Data Engineer | Data Analyst

Python-focused Data Engineer with hands-on experience in ETL pipelines, NumPy, Pandas, data cleaning, and workflow automation. Skilled in building scalable data solutions using Python, SQL, and Airflow, with familiarity in frameworks like Django and Flask for backend development. Developed algorithms to integrate and process multiple datasets, delivering efficient business insights. Main focus is on ETL and data engineering, with additional exposure to Python web frameworks and API development.

EDUCATION

-**UNIVERSITY OF KARACHI**
- Undergraduate
- BSSE–(7th semester)

-**INTERMEDIATE**
- Govt.islamia science college
- Pre-engineering -A^{-1}

WORK EXPERIENCE

- Jr.Database Administrator   (28 Oct — 30 Nov)

- **Organization::**University Of Karachi**,Internship,**onsite
- **Achievements:**
  - Maintained and optimized data pipelines for smooth data flow.
  - Integrated datasets into SQL Server while ensuring accuracy and integrity.
  - Troubleshot data issues and resolve errors to maintain system reliability.

-Teaching   (2023 MAY — 2024 OCT)

- **Organization:**Meritorious Schooling/Coaching System**,Regular,**Onsite
- **Achievements:**
  - Simplified technical concepts for students, demonstrating strong communication skills.
  - Conducted interactive sessions to foster critical thinking and problem-solving.
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PORTFOLIO

-ETL PROJECT:
- **SOFTWARE:** PYTHON, SQL & AWS
- **PORTFOLIO:**
  - **Spotify-etl-pipeline**
  - crypto-coin-ETL-pipline
  - NASA-API-Data-Extraction-and-Display-Using-AWS-----Django
  - **nasa-elt-pipeline**
  - **ETL_weather_data_using_airflow**
  - **ETL_PROJECT**
  - -Real-Estate-Data-Pipeline-Web-Scraping-Cleaning-SQL-BI-Dashboards

-EDA PROJECT:
- **SOFTWARE:** PYTHON $ SQL
- **PORTFOLIO:**
  - **Hotels_EDA_project**
  - -Real-Estate-Data-Pipeline-Web-Scraping-Cleaning-SQL-BI-Dashboard
  - heart-predication-dataset-eda
  - **ALL_THE_INTERMEDITE_COLLAGE_OF-_PKISTAN_EDA_PROJECT**
  - **TITANIC_EDA_PROJECT_2**

CERTIFICATES

● BASIC OF PYTHON PROGRAMING	**FROM** GREAT LEARNING
● BASIC OF HTML5	**FROM** GREAT LEARNING
● JAVA OOPS	**FROM** GREAT LEARNING
● FIGMA PROTOTYPE	**FROM** COURSERA
● EXCEL.	**FROM** GREAT LEARNING
● SNOWFLAKE BATCH 1	**FROM** SNOWFLAKE
● SNOWFLAKE BATCH 2	**FROM** SNOWFLAKE
● DATA ANALYTICS AND BI	**FROM** DIGISKILLS
● INTRODUCTION TO CYBER SECURITY	**FROM** CISCO

Technical Skills

Languages & Tools: Python, SQL, Pandas, Airflow, AWS (S3, QuickSight), Snowflake, Power BI
Data Engineering: ETL/ELT pipelines, data cleaning, workflow automation, data modeling
Other: GitHub, Trello, Excel