

Muhammad Shakir Khan

Data Engineer

As a Data Engineer, I specialize in crafting efficient data solutions to boost operational efficiency and uncover business insights. My focus lies in designing scalable architectures within budget constraints, and leveraging innovative strategies to achieve high-quality results. With a commitment to ongoing learning, I adeptly integrate emerging technologies, positioning myself as a dynamic problem-solver amidst evolving data landscapes.



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WORK EXPERIENCE

Data Engineer

KodMania

11/2022 - Present

Achievements/Tasks

- Optimized **Talend ETL** processes for efficient **data transformation, seamlessly integrating diverse datasets**.
- Implemented robust **MySQL databases**, ensuring enhanced data accessibility and query performance.
- Developed impactful **Power BI reports and dashboards**, providing actionable business insights.

Data Engineer

TenX.ai

07/2022 - 10/2022

Achievements/Tasks

- Optimized **Talend ETL** processes for efficient **data transformation, seamlessly integrating diverse datasets**.
- Worked in Python **Opev CV Module , Face_Recognition Module , Face_Classifier , OS Module, Tkinter Framework, Frames**.
- Organized the blending of different datasets into a **single, scalable data warehouse** seamlessly.

Junior Lecturer

QURTUBA University Of Science & IT

12/2019 - 06/2022

Achievements/Tasks

- Planned, modified and executed **research techniques, procedures and tests**.
- Gathered, arranged and corrected research data to create representative **graphs and charts** highlighting results for presentations. Presented **HEC Councils (NCEAC, PEC)**.
- Performed statistical, qualitative and quantitative analysis.

EDUCATION

Software Engineering

COMSATS University Islamabad

Projects

- Web based Car Rental System
- Web Based Shopping Sale System with Positioning API

SKILLS

ETL Pipelines

Databases

Data Warehousing

ETL/ELT

Data Modelling

SQL

Technical Documentation

Computer Vision

TECHNOLOGIES

Talend Open Studio, Python, Power BI, MS Office, React JS, C++, MySQL.

PROJECTS

E-commerce Data Pipeline (Talend, MySQL Database)

- Extracted data from **different sources, transforming and modeling** it for consistency and relevance.
- Loaded the processed data into a **Data Warehouse, ensuring centralized accessibility and efficiency**.
- Generated comprehensive **analysis reports**, providing valuable insights for informed decision-making.

Face Recognition System (Python)

- Face Recognition system is the process of identifying students using facial biostatistics high definition monitoring.
- Student detail Panel using **Tkinter** framework.
- Implement in **Cascade Model, LBPH Model**.

CERTIFICATIONS

IBM Business Intelligence (BI) Analyst (10/2023 - 02/2024)

Data Collection, Data Wrangling, BI analytics, Data Warehousing, Data visualization with Tableau, SQL, RDBMS, Database querying using SQL

Google Foundations of Project Management (01/2024 - 02/2024)

LANGUAGES

English

Full Professional Proficiency

Urdu

Full Professional Proficiency

INTERESTS

Data Analysis

Artificial Intelligence

Web stuff