

Muhammad Ramzan Khan

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PROFESSIONAL SUMMARY

Highly motivated and results-oriented Data Engineer with hands-on experience in building efficient data pipelines, automating workflows, and integrating advanced technologies. Skilled in data extraction, transformation, and visualization, leveraging tools like Pentaho, Python, PostgreSQL, and cloud platforms to drive data-driven decision-making. Proven ability to deliver tailored solutions, optimize processes, and integrate AI/ML models, enhancing operational efficiency and insights.

SKILLS

AWS Cloud | Pentaho | Python | C++ | Java | JavaScript | SQL | PostgreSQL | Selenium | Flask | OCR | Docker | HTML 5 | CSS | MS Office

EDUCATION

PMAS Arid Agriculture University, Rawalpindi

BS Information Technology

2018 – 2022

Courses: Object Oriented Programming (oop), Data Structures and Algorithms, Programming Fundamentals, Modern Programming Languages, Data Administrator, Database Administrator.

Freelance Data Engineer | Python Engineer

Independent Contractor | (2022 - Present)

PROJECTS

Data Processing and Transformation

- Extracted and processed data from diverse sources, including CSV files, web scraping, Json, XML, RETS, API and text documents.
- Designed and implemented data cleaning pipelines to standardize and prepare datasets for analysis or specific formats (e.g., tab-separated, Word files and Load into Database).

Automation and Scripting

- Developed Python-based automation scripts to optimize repetitive tasks, saving clients significant time and effort.
- Automated data collection and processing workflows, integrating APIs to streamline operations.

AI and ML Integration

- Integrated GPT APIs with prompt engineering into web-based applications, enabling advanced language-processing capabilities.
- Worked on model training, fine-tuning, and deploying prediction systems for client-specific use cases.
- Visualized data insights using libraries like Matplotlib and Seaborn.

Custom Software Solutions

- Delivered tailored data analysis and visualization tools using Python and R to help clients make informed decisions.

- Built robust API integration solutions to connect systems based on custom client requirements.

Salary Prediction using ML

- Collect data from different sources and train model using scikit-learn and validate model and then deploy using streamlit and flask API.

Open AI API

- I build an web app using Node Js and simple HTML, JavaScript, CSS using Open AI API to generate Image and Text like Dalle 2, Chat GPT and deploy at Linux server you can visit and check interface ramzankhan.tk. Free Trial expire due to not in working

Vehicle Recognition System through Website

- Train a custom AI model for Number Plate recognition using tensorflow keras model after that using EasyOCR extract number from image and check it in database, and data set download from kaggle.
- Design a web interface for user interaction with system in flask and HTML, CSS, JavaScript, Bootstrap.

CERTIFICATIONS

- Data Science Foundations
- Data Visualization With Power BI