

Komal Sakhidad

Data Science Enthusiast



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Karachi, Pakistan



github.com/KomalBaloch



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Portfolio



kaggle.com/komalbaloch

SUMMARY

I am a dedicated and proactive professional with a strong foundation in Computer Systems Engineering and specialized expertise in Data Engineering and Information Management. My academic journey has equipped me with the skills to analyze complex datasets, develop innovative solutions, design and optimize the ETL process, and drive data-driven decision-making. I am eager to apply my technical knowledge and passion for data science to contribute effectively to a dynamic organization.

WORK EXPERIENCE

Trainee Engineer

Jan 2024 – present | Karachi, Pakistan

SSGCL Head Office

As a Trainee Engineer, I focused on Oracle database, generating online and offline reports, and worked on Oracle utility 2.8 in SIT and UAT environments. I contributed to dashboard development and leveraged Python for data analytics and Data Visualization. Additionally, I successfully developed a Python-based web application and handled various operational tasks. My responsibilities also included Excel-based analysis.

Junior Executive

Nov 2021 – Dec 2023 | Hub, Pakistan

NADRA

As a Junior executive at NADRA, I was responsible for creating CNICs, data entry, and managing the entire citizen registration process, including capturing photos, modifying and printing forms, issuing tokens, and capturing fingerprints. I also handled card reception and delivery, generated monthly bills, monitoring dashboards, operated HOD software, managed files, and performed form listing using Excel.

SKILLS

Python

Django

SQL

HTML5

CSS3

Markdown

Machine Learning

Exploratory Data Analysis

Statistical Analysis

Microsoft Office

Power BI

Data Visualization

Streamlit

EDUCATION

MS (Data Engineering and Information Management)

May 2022 – Sep 2023 | Karachi, Pakistan

NEDUET

Core Subjects were,

- Data Analytics - Data Security and Audit - Distributed Systems - Advanced Database systems - Cloud Computing - Data Encryption - Big Data Computing
- CGPA: 3.82/4.00

B.E (Computer Systems Engineering)

Feb 2017 – Apr 2021 | Khuzdar, Pakistan

BUET

Core Subjects were,

- Programming - Networking - Web Designing - Data Base Management - AI - Data Science - Other CS core Courses
- FYP: Smart Energy Meter
- CGPA: 3.95/4.00

Intermediate (Pre-Engineering)

Jan 2015 – Sep 2016 | Hub, Pakistan

Muslim Public College

- Marks: 745/1100

PROJECTS

Automate Data Science Tasks [↗](#)

An interactive web app built with **Streamlit** to **automate** data science tasks like **data cleaning**, exploratory analysis, and model training. Users can easily upload datasets, visualize data, and train **machine learning** models with a user-friendly interface.

MDL, Generation, and Completion Schedule Web Application [↗](#)

Developed a **web application** for displaying (MDL) ,batch cycle generation and completion schedules. The application, built using **HTML**, **CSS**, **Django**, and **Oracle Database**, provided a user-friendly interface for efficient data viewing. This project was completed for **SSGCL**.

Heart Disease Prediction [↗](#)

Created a **predictive model** using **Python** to determine the presence of heart disease. Utilized **pandas**, **scikit-learn** and **matplotlib** for data analysis and visualization. Applied various **logistic regression models** and generated reports using **Markdown**.

Data Analysis on Diamonds Dataset [↗](#)

Conducted an in-depth analysis of the **diamonds dataset**, including **EDA**, **data preprocessing**, and building **regression models** to predict **diamond prices**. Applied **hypothesis testing** and various regression techniques. Provided insights and recommendations based on the analysis and model results.

Jobs and Salaries in Data Science Dashboard [↗](#)

Developed a comprehensive **dashboard using Power BI** to analyze **job trends** and **salary distributions** in the data science field.

Water Quality Analysis [↗](#)

Implemented **machine learning algorithms** for analyzing and predicting **water quality metrics**. Conducted **exploratory data analysis (EDA)**, visualizations, and **logistic regression**. Developed **dashboards using Power BI** to present the results.

Smart Energy Meter

Developed a **smart energy meter** for effective **energy utilization** and **power consumption monitoring** in smart cities. This project was completed as my **final year thesis** during **Bachelor's studies**.

CERTIFICATES

Data Analysis with Python [↗](#)

Business Analytics with Excel: Elementary to Advanced [↗](#)

Harnessing the Power of Data with Power BI [↗](#)

40 Days of Python for Data Science [↗](#)

Oracle DBA 11g/12c-Database Administration for Junior DBA [↗](#)

Data Analytics and Business Intelligence [↗](#)

Introduction to Business Analytics [↗](#)

Six months of AI and Data Science Mentorship Program [↗](#)

Career Essentials in Data Analysis by Microsoft and LinkedIn

Career Essentials in Generative AI by Microsoft and LinkedIn [↗](#)

ACTIVITIES

IBA (Brand Ambassador) [↗](#)

Jun 2020 – Aug 2020 | Karachi, Pakistan

I served as the Brand Ambassador for IBA University's Three-Week Online Entrepreneurship Program while also completing the course myself.

IST University [↗](#)

Mar 2019 – Mar 2019 | Islamabad, Pakistan

Participated in Youth Carnival organized by IST University, Islamabad

BUET Khuzdar [↗](#)

Nov 2017 – Nov 2017 | Khuzdar, Pakistan

One day program "IT Awareness Declamation Contest and Exhibition".