Komal Sakhidad

Data Scientist

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in www.linkedin.com/in/KomalBaloch 🔗 Portfolio kaggle.com/komalbaloch

SUMMARY

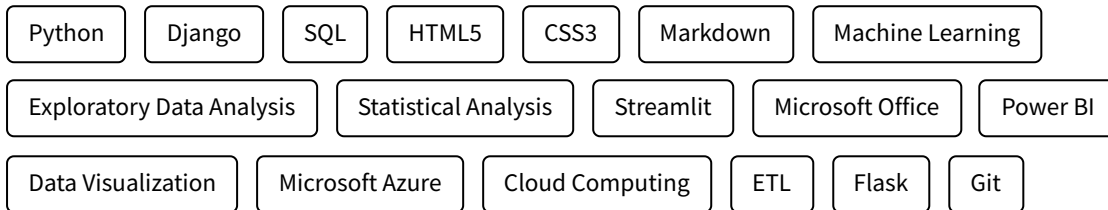Data Scientist with expertise in Python, ML, data visualization, and ETL pipelines. I transform complex datasets into actionable insights, develop predictive models, and create dashboards that help organizations make informed decisions efficiently. I am motivated by solving challenging problems with scalable and data-driven solutions.

SKILLS

| Python | Django | SQL | HTML5 | CSS3 | Markdown | Machine Learning |

| Exploratory Data Analysis | Statistical Analysis | Streamlit | Microsoft Office | Power BI |

| Data Visualization | Microsoft Azure | Cloud Computing | ETL | Flask | Git |

WORK EXPERIENCE

Trainee Engineer — SSGCL Head Office ✐   Jan 2024 – Present │ Karachi, Pakistan

- Developed **Python-based applications** to automate data processing and reporting workflows.
- Performed **EDA, feature engineering, and predictive modeling** for operational datasets.
- Designed and implemented **Power BI dashboards** to visualize KPIs and operational insights.
- Managed data in **Oracle Database**, optimized queries, and supported SIT/UAT testing for Oracle Utilities 2.8.
- Built a **desktop application using Electron.js** to streamline QA/QC processes.
- Automated repetitive reporting tasks, reducing manual effort.

Junior Executive — NADRA ✐   Nov 2021 – Dec 2023 │ Hub, Pakistan

- Managed citizen data entry, CNIC creation, and validation processes efficiently.
- Handled form modification, photo capturing, token issuance, and fingerprint data.
- Generated monthly operational reports and monitored dashboards.
- Performed Excel-based analysis and managed recordkeeping for improved operational efficiency.

EDUCATION

MS—Data Engineering and Information Management
NED University │ May 2022 – Sep 2023 │ **CGPA: 3.82/4.00**
Core Subjects: Data Analytics, Data Security and Audit, Distributed Systems, Advanced Database Systems, Cloud Computing, Data Encryption, Big Data Computing

BE — Computer Systems Engineering
BUET Khuzdar │ Feb 2017 – Apr 2021 │ **CGPA: 3.95/4.00**
Core Subjects: Programming, Networking, Web Designing, Database Management, AI, Data Science
FYP: Smart Energy Meter

PROJECTS

Network Ping Desktop Application ✐
PyQt6 based desktop application developed as an official project at SSGC.

Beauty AI Store Web application ✐
- Built an interactive virtual beauty shop using Streamlit with AI-powered product suggestions.
- Enabled filtering by category and price, creating a seamless online shopping experience.

Desktop App for SOPs ✐
Developed a lightweight desktop application to help QA/QC teams quickly search and retrieve SOP requirements.

Automate Data Science Tasks ✐
Interactive web app to automate data cleaning, visualization, and model training.

MDL, Generation, and Completion Schedule Web Application ✐
Developed a Django-based web application with Oracle Database integration for SSGCL operations.

Heart Disease Prediction ✐
- Built a predictive ML model using Python, pandas, scikit-learn, and Matplotlib.

- Applied logistic regression and visualized results with reports in Markdown.

Data Analysis on Diamonds Dataset ⊘
- Conducted EDA, regression modeling, and hypothesis testing.
- Delivered insights on diamond pricing patterns.

Jobs and Salaries in Data Science Dashboard ⊘
Developed an interactive dashboard analyzing global data science job trends and salary distributions.

Water Quality Analysis ⊘
- Implemented ML algorithms for predicting water quality metrics.
- Developed dashboards using Power BI to summarize results.

Smart Energy Meter
Designed and implemented a smart energy monitoring system for efficient power consumption.

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 ⊘   5-Day Gen AI intensive ⊘

Data Analytics and Business Intelligence ⊘   Introduction to Business Analytics ⊘

Ideas hunt Trainning ⊘   Six months of AI and Data Science Mentorship Program ⊘

Generative AI Application Developer Certificate ⊘

Career Essentials in Data Analysis by Microsoft and LinkedIn ⊘

Azure Masterclass: Analyze data with Azure stream analytics ⊘

Career Essentials in Generative AI by Microsoft and LinkedIn ⊘

Certificate of Accomplishment (Python Basic) ⊘   Certificate of Accomplishment (CSS Basic) ⊘

ACTIVITIES

IBA University, Karachi ⊘
- Brand Ambassador, IBA Entrepreneurship Program (Jun 2020 – Aug 2020)

IST University, Islamabad ⊘
- Participant, Youth Carnival (Mar 2019)

BUET, Khuzdar ⊘
- IT Awareness Declamation Contest & Exhibition (Nov 2017)