Komal Sakhidad

Data Scientist

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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, 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.In addition to my core responsibilities, I collaborated with the QA/QC team where I developed a desktop application using Electron.js ro streamline their operations.
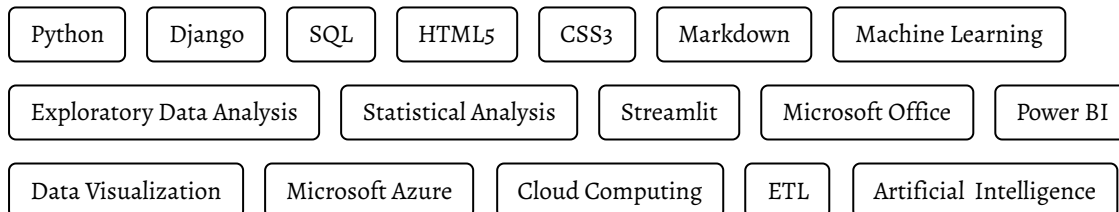
Junior Executive   Nov 2021 – Dec 2023 │ Hub, Pakistan
NADRA 🔗

As a Junior executive at NADRA, I was responsible for creating CNICs,data entry,and manging the entire citizen registration process, including capturing photos, modifying and printing forms, issuing tokens, and capturing fingerprints. I also handled card reception and delievery, 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 | Streamlit | Microsoft Office | Power BI |

| Data Visualization | Microsoft Azure | Cloud Computing | ETL | Artificial Intelligence |

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

PROJECTS

K-Beauty AI Store Web application 🔗

K-Beauty AI Store is an interactive virtual beauty shop built with Streamlit, where users can browse premium makeup products. It lets you filter items by category or price and suggests similar products for a smart shopping experience. With a clean, elegant design and local product images, it feels like a real online beauty store.

Desktop App for SOPs 🔗

SOP Desktop App is a lightweight desktop application designed to **streamline QA/QC** user access guidelines. It enables teams to quickly search and retrieve SOP requirements based on system, team, and action types.

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 ✎	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 (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".