

Skills

- SQL (SQLite, MySQL, PostgreSQL)
- Python (Pandas, NumPy, matplotlib, Django, OS)
- Data Cleaning & Preprocessing
- Statistical Analysis
- Data Modeling
- Django (Models, views, templates, forms, ORM, CBV, authentication, signals, DRF, deployment)
- Business Intelligence (Statistical Analysis, KPI Development, Dashboard Reporting).
- Familiarity with ML framework (TensorFlow, PyTorch, scikit-learn)
- Excel (VLOOKUP, Conditional Formatting, Pivot Tables, Power Query, PowerPivot)
- Git and GitHub
- Microsoft Power BI
- web Languages:(HTML5, CSS3, JavaScript, bootstrap)
- Data Collection Tools (Google Forms, Kobo Toolbox)

Projects

OpenForum Discussion Platform– Personal Project – October 2024

- A Django web app for IT/programming discussions, featuring Google OAuth, email notifications, and user-driven topic/comment creation.
- Content & Structure: Topics are organized into categories, built with Class-Based Views and SQLite for efficient data management.
- Deployment: Successfully hosted on PythonAnywhere for public access.

Sales data analytics system for the retail company – Personal Project – October 2024

- Developed a comprehensive sales data analytics system to enhance decision-making for a local retail company.
- Collected and analyzed sales data to identify trends and customer preferences.
- Implemented key performance indicators (KPIs) to track business performance and inform strategic planning.

Cholera response dashboard – Tamdeen Youth Foundation – April 2024

- Developed a Power BI dashboard to display total cholera cases by month, district, health facilities, and dehydration status, enabling higher management to assess the cholera situation effectively.
- Transformed and processed cholera data using DAX and Excel to ensure data completeness and validity, supporting accurate reporting and analysis.
- Collaborated with higher management to identify key metrics for the final product, ensuring a focus on actionable insights for addressing the cholera situation in the upcoming year.

Sam data analysis project dashboard – Save The Children International (SCI) April 2022

- Analyzed the SAM Database, covering sectors like health, nutrition, and WASH, to deliver actionable insights via dashboards.
- Displayed key metrics such as SAM causes by month, SAM cases by district, screened cases, and health facility data.
- Used Excel and Power Query for data cleaning and processing to ensure accurate and efficient reporting.

Automatic handwritten digit recognition system – Graduation Project November 2020

- Conducted data analysis to preprocess and augment datasets of handwritten digits, ensuring high-quality input for the recognition system.
- Analyzed performance metrics of various algorithms to identify optimal methods for improving accuracy in handwritten digit recognition.
- Interpreted results from model training and validation to recommend strategies for achieving accuracy levels of up to 99% in digit recognition tasks.

Work Experience

Data Analyst Officer – Tamdeen Youth Foundation (TYF)

March 2023 - Dec 2024

- Developed and maintained data platforms using SQL and Python, improving data accuracy and efficiency.
- Performed data profiling and anomaly detection to support strategic decision-making.
- Designed interactive Power BI dashboards to visualize key performance indicators.
- Assisted in ETL processes, data transformation, and cloud-based data storage.
- Conducted statistical analysis to derive insights from health and nutrition data.
- Collaborated with cross-functional teams to define data requirements, ensuring alignment with organizational goals and objectives.

Data Management Assistant – Save the Children International (SCI)

February 2021 - August 2022

- Supported the installation of data collection and validation tools.
- Documented data integrity and quality control by audit and verification.
- Worked with cloud platforms to make data more available and secured.
- Provided technical assistance to staff on troubleshooting data issues and advised on data management tools and systems.
- Resolved technical issues at the networking level for printers and other office devices with minimal disruption to daily operations.
- I have assisted staff in configuring laptops, desktops, and mobiles and sought to enhance the technical efficiency of the organization.

Certifications

- Diploma in English – Jan 2021
- Course in Microsoft Office Packages – Dec 2021
- Project Management Course – July 2022
- Information Management Training Program – Nutrition Cluster (remote), Dec 2022
- Oracle Certified Foundation Associate – Oracle Cloud Data Management – Aug 2023
- Youth Leadership Program 9 – Completed Innovation Camps (Yemen) – Dec 2023
- [IBM Data Analyst Professional Certificate](#) – Oct 2024.

Additional Qualifications

- ✓ Strong problem-solving and analytical skills.
- ✓ Excellent communication and teamwork abilities.
- ✓ Passion for continuous learning in AI and data science.

Education

BACHELOR OF SOFTWARE ENGINEERING. – Taiz University – Yemen, Taiz
Majors: Software Engineering.

June 2020