Omer Faisal

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ABOUT ME

Motivated and detail-oriented Data Science student with a strong foundation in analytical thinking, programming, and machine learning. Skilled in developing data-driven solutions, visualizing patterns, and exploring real-world datasets. Eager to contribute to innovative AI-driven initiatives while continuously enhancing my skills through academic projects and self-learning.

PROFESSIONAL EXPERIENCE

Punjab University College of Information Technology (PUCIT)   Feb. 2025 – June 2025
Teaching Assistant   *Lahore, Pakistan*
- **Database Systems**: Assisted in lab tasks, conducted sessions, Supported curriculum

PROJECTS

Dream Vividness Prediction
- Built a Gradient Boosting model to predict vivid dream levels from sleep data.
- **Tools & Technologies:** Python, Pandas, Scikit-learn, Matplotlib

Medical Lab Dashboard
- Created an interactive Power BI dashboard to visualize medical lab test trends.
- **Tools & Technologies:** Power BI, Excel, DAX

Hotel Reservation App
- Developed a desktop app using Tkinter and SQLite to handle bookings.
- **Tools & Technologies:** Python, Tkinter, SQLite

Smoking Analysis Tool
- Designed a Streamlit-based app for visualizing smoking trends.
- **Tools & Technologies:** Streamlit, Seaborn, Pandas

EDUCATION

Punjab University College of Information Technology   Lahore, Pakistan
Bachelor of Data Science – Grade 3.61/4.00   *Dec. 2022 – Present*

CERTIFICATES AND COURSES

- Introduction to Programming (Python)
- Kaggle Certificates
- Most Regular Student Award

RESEARCH

- **Forecasting Vivid Dreams –** Currently working on a machine learning–based research project focused on predicting vivid dream patterns using psychological and behavioral indicators. *(Manuscript in preparation for future conference submission).*

- **Coronary Artery Disease Risk Factors** – Engaged in a data-driven research project analyzing health indicators for predicting coronary artery disease risk. *(Manuscript in preparation for academic submission)*

SKILLS

Programming and Scripting: Python, SQL, Java (Basic), HTML, CSS, JavaScript

Libraries and Tools: Scikit-Learn, Matplotlib, Seaborn, Power BI

Databases: Oracle, DB Browser, SQL Server Management Studio (SSMS)

Subjects: OOP, Data Structures & Algorithms, Database Systems, AI, ML, CV, Data Mining