Huzeifa Asif

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ABOUT ME

Computer Science graduate passionate about **data science**, with hands-on experience in **Python, data analysis (Pandas, NumPy)**, and **machine learning (TensorFlow, OpenCV)**. Developed **EyeQ**, a project analyzing eye-tracking data to predict quiz difficulty, applying skills in **data preprocessing, statistical analysis, and regression modeling**. Proficient in **SQL, data visualization (Power BI)**, and collaborative tools like **Git**. Eager to leverage academic knowledge in **probability, statistics, and database systems** to solve real-world data challenges. Strong problem-solver with a growth mindset and experience working in teams.

EDUCATION AND TRAINING

1 FEB 2021 – 15 JAN 2025 Lahore, Pakistan
BACHELOR OF SCIENCE IN COMPUTER SCIENCE Bahria University

Relevant Coursework:
Introduction to Data Science|Artificial Intelligence|Database Management Systems|Data Structures & Algorithms|Probability & Statistics|Object-Oriented Programming|Cloud Computing|Mobile Application Development

SKILLS

Programming Languages

Python, SQL, C++

Data Tools

Pandas, NumPy, Excel

Data Science & Machine Learning

NumPy, Scikit-learn, TensorFlow, PyTorch, Regression Analysis, Classification, Clustering, OpenCV

Tools

Git, Jupyter Notebook, VS Code, Linux, Firebase

Data Visualization

Power BI (Basic)

PROJECTS

EyeQ: Quiz Difficulty Analysis Using Eye Tracking

Developed a cross-platform mobile app using Python and React Native to assess quiz difficulty through eye-tracking. Wrote and optimized code for capturing and analyzing eye movement data, integrating TensorFlow and PyTorch for real-time feedback. Validated the app with 20 students, enhancing the accuracy of e-learning assessments.

Python Data Processing Automation Suite

Engineered a desktop application using Python, PyQt5, and Pandas to automate financial data processing and analysis. The solution streamlines Excel file handling with automated monthly transaction categorization and summary generation, featuring a user-friendly interface for efficient data management.

MANAGEMENT AND LEADERSHIP SKILLS

Google Developer Student Club (GDSC)

Core Team Member at Bahria University Lahore Campus (2023-2024), participated in the student developer community focusing on learning and technology exposure through workshops and sessions.

Badminton Team Captain

Led university team to inter-college championships (Gold Medal, 2024).

ACHIEVEMENTS AND AWARDS

Soft Skills

Analytical Thinking
Problem Solving
Team Collaboration
Time Management
Communication Skills

Sports Achievements - Badminton

Gold Medal in Badminton Doubles (2024)
Gold Medal in Badminton Single (2024)
Silver Medal in Badminton Doubles (2022)

LANGUAGE SKILLS

Mother tongue(s): **URDU**

Other language(s): **ENGLISH:PROFESSIONAL WORKING PROFICIENCY (B2)**