


Usman Ali

DATA SCIENTIST / Artificial Intelligence

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OBJECTIVE:

I have developed a passion for analyzing data and finding patterns that can provide valuable insights and drive decision making. I am particularly interested in applying these skills to real world problem and exploring new ways of visualizing data to enhance decision making.

EDUCATION:

- BS Artificial Intelligence
(2022-2026) Superior
University, Lahore
- 6-Month AI Course
(July 2023 – December
2023) Corvit Lahore
- Intermediate (2020-2022)
Alnoor College Shahdara
- Matric (2018-2020)
Alnoor College Muridke

Academic & Personal Projects:

Python/AI Projects:

- **Real-Time Sentiment Analysis:** Developed a real-time sentiment analysis system using NLP and machine learning models, enabling real-time interpretation of textual data for valuable insights.
- **DeepFace:** Developed a DeepFace project capable of detecting gender, age, facial expressions, and ethnicity
- **Potato Disease Detection:** Created a potato disease detection model by extracting features using VGG16 and HOG from over 8,000 images, and utilized SVM and Random Forest classifiers for accurate disease classification.
- **Recommendation System Developer:** I created a system that extracts data from the oladoc website, preprocesses it, and trains models to provide accurate doctor recommendations. I also developed a user-friendly GUI using Django, allowing users to effortlessly find the perfect doctor based on their needs.

Python/Data Analysis Projects:

- **Sales Data:** Analyze the sales data of a store and find useful information, visualize the information and total sales for top products for males and females and create a .ppt report.
- **Data visualization dashboard:** Developed a data visualization dashboard using

Flask and Python analysis tools, enabling users to clean and visualize data effectively

- **E-commerce sales dashboard:** Developed an e-commerce sales dashboard using **Power BI** to analyze and visualize sales data for improved business insights and decision-making.

Python/Database/Django Web Projects:

- **Doctor recommendation system:** Created a real-time recommendation system using Django and SQLite3, customized to client specifications.
- **Best Pakistani recipes:** Created a Django web app for Pakistani recipes, allowing admins to efficiently manage and add comprehensive details about various recipes, while users can explore, view, and recreate these culinary delights.

SKILLS:

- Data Analysis & Visualization: Power BI, Matplotlib, Seaborn.
- Web scrapping with python beautiful soap.
- Data Pre Processing ML/DL: Python(Pandas, sklearn, tensorflow)
- Error Handling
- Web Development with Django
- Code Review
- Strong Communication & Adaptability

SOP SKILLS:

- Critical Thinking
- Logical Reasoning
- Problem Solving
- Team Leading
- Communication and Adaptability

Extracurricular Activities:

- Participated in SoFTEC at FAST University Lahore in data visualization and coding.
- Competed in TechnoCon at the University of Central Punjab in coding.
- Took part in UTS 3.0 at the University of Technology Lahore in coding competitions.

EXPERIENCE:

- Academic Coding Experience

Teaching and Training:

- Assisted students with their final year projects.
- Provided training and new skills development.
- Mentored and supported students to ensure project success.

Object Detection for Visually Impaired People Using AI Research Group

leader (September 2023 - December 2023) Superior University, Lahore

- Collaborated with team members on 25 articles about Visually Impaired.
- Conducted literature reviews and synthesized research findings.
- Contributed to the writing and editing of research articles.

