

Muhammad Fawad Saqlain

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EDUCATION

COMSATS University Islamabad Vehari Campus

Bachelor of Science in Software Engineering

3.19 / 4.0

2022 - 2026

Punjab College Vehari

Intermediate in Premedical

75.5 %

2020 - 2022

The Educators School Ghazali Campus Vehari

Matric with Biology

80 %

2018 - 2020

EXPERIENCE

No Experience Yet

PROJECTS

General Store Management System | Python , Django ,MSSQL , HTML , CSS

- Developed a full-stack web application using with Flask serving a REST API with React as the frontend
- designed to streamline inventory, counter, and administration management.

Image Classification | Python , Django , MobileNetV2 model in TensorFlow , HTML , CSS

- Developed a full-stack web application using with Flask serving a REST API with React as the frontend
- pre-trained MobileNetV2 model in TensorFlow to classify images.
- Check out how this powerful model, trained on the ImageNet dataset, identifies objects in various images.
- This widely used application of machine learning involves algorithms that analyze digital images by measuring pixel values.

Music recommendation system | Python , Pandas , nltk , sklearn

- Music Recommendation System. Inspired by platforms like Spotify
- this system uses machine learning to analyze user habits, preferences, and patterns, delivering a personalized music experience.
- It's amazing to see how data transforms into tailored playlists, introducing users to new genres and artists.

Amazon sales dataset visualizations | Python , Pandas , Matplotlib.pyplot , Google Colab

- Conducted an in-depth analysis of an Amazon sales dataset using Python, uncovering key sales trends, profit margins, and geographical sales patterns.
- Developed compelling visualizations to illustrate sales dynamics, shipment delays, and quantity sold comparisons, enabling data-driven decision-making.
- Provided actionable insights to enhance inventory management, pricing strategies, and logistics operations for improved e-commerce performance.
- Leveraged data analytics to identify growth opportunities and optimize business strategies in the competitive Amazon marketplace.

IMDB dataset visualizations | Pandas and Matplotlib in Google Colab

- Visualized insights using bar charts, scatter plots, and histograms to analyze ratings, budget vs. revenue, runtime distribution, and genre trends.
- Investigated correlations between movie attributes, trends over time, and differences between adult and non-adult films.
- Analyzed the impact of directors on ratings and identified patterns in movie performance using statistical methods.

TECHNICAL SKILLS

Languages: Python, C++, SQL (MS SQL), HTML/CSS

Frameworks: Django

Dev Tools: Git, GitHub, VS Code, PyCharm, Figma, Adobe XD, Draw.io, Ms Visio, Inkscape, Canva ,Linux

Libraries: Pandas, Matplotlib, NumPy,