

Muhammad Dawood Imran

Software Engineer — Data Scientist

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SUMMARY

Ambitious and detail-oriented software engineering student with a strong foundation in machine learning, statistics, data analysis, and web technologies. Skilled in Python, data visualization, and automation. Proficient in utilizing Power BI, SQL, and Excel for data processing and visualization. Eager to contribute to innovative AI and ML projects in a dynamic and growth-oriented organization.

EDUCATION

COMSATS Institute of Information Technology

Bachelor of Science in Software Engineering

Lahore

Sep. 2021 – Present

Punjab College

Intermediate

Faisalabad

Aug. 2019 – May 2021

TECHNICAL SKILLS

Languages: Python, SQL, C/C++, HTML/CSS, JavaScript, R

Analytical Skills: Data cleaning, processing, and visualization, extracting insights and identifying trends

AI: Machine Learning, Natural Language Processing

Developer Tools: Git, VsCode, Jupyter Notebook

Data Visualization Tools: Excel, Power BI

PROJECTS

Movie Recommendation System | *Python, Pandas, Streamlit, scikit.learn,*

- Created a content-based machine learning model using cosine similarity to recommend movies based on genre, directors, and actors.
- Utilized natural language processing techniques to parse and vectorize movie descriptions and metadata.
- Deployed the model as a web application using streamlit framework, allowing users to input their preferences and receive movie suggestions.

Web Scraping and EDA | *Python, Beautiful Soap, Selenium*

- Scraped the PakLaps.pk website to gather data on 250 laptops and 50 tablets, created a dataframe, applied preprocessing, and performed exploratory data analysis (EDA).
- Cleaned and structured the raw data, dealing with missing values, outliers, and inconsistent formatting.

Dynamic Question Answering and Quiz Application | *Python, Streamlit, Gemini API*

- Created a web application to extract answers from PDFs using Google Gemini API, enhancing document interaction capabilities.
- Designed a system that generates and administers quizzes from PDFs, featuring automatic question parsing and scoring. Utilized Streamlit to build user-friendly interfaces for both the question answering and quiz applications, ensuring efficient data handling and presentation.

EXPERIENCE

Internship at BZsoftech

July 2024 – August 2024

Software Development Intern

- * Designed and implemented a PDF parser to extract text and structured data from various document formats.
- * Built and deployed an Optical Character Recognition (OCR) system using the Gemini API to extract text from scanned documents and images.

COURSES

Certified Data Analyst Professional

- Completed an industry-recognized certification focused on practical applications of Data Analysis from Digi Skills.