Muhammad Hammad

ML ENGINEER

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📍 Phase 1 behind Saphire Software house, Jamshoro

SUMMARY

Driven Computer Systems Engineering student specializing in Data Analysis. Passionate about data science and committed to continuous learning in new technologies. Aiming to leverage technical and analytical skills to deliver data-driven solutions.

EDUCATION

BE in Computer Engineering

- Mehran UET,Jamshoro
- Duration: 2023 – Present
- CGPA 3.26

INTERMEDIATE (PRE-ENGINEERING)

- The City College
- Duration: 2021 – 2023
- Percentage 84%

MATRICULATION

- The City School
- Duration: 2019– 2021
- Percentage 95%

PROJECTS

■ HR Analytics Dashboard

- Created an interactive dashboard using Power BI to analyze employee data, including attrition rate, performance, satisfaction level, and department-wise insights. Enabled HR teams to make data-driven decisions through visualized metrics and filters.

■ Car Price Predictor

- Built a machine learning model to predict car prices using features like brand, model year, mileage, and engine specs.
- Applied data preprocessing, feature engineering, and regression techniques to improve prediction accuracy.

■ Movie Recommender System

- Developed a recommendation engine using collaborative and content-based filtering to suggest personalized movies.
- Incorporated data preprocessing, similarity metrics, and evaluation methods to fine-tune recommendation quality.

SKILLS

Core Skill

- Data Analyst
- Ml Engineer

API Development

- Fast Api
- Pydantic

Basic Frontend

- Streamlit
- HTML
- CSS

Programming Languages

- C++ , Java , Python

Python Libraries

- Numpy , Pandas , Matplotlib , Seaborn , Scikit-learn

Database Management System

- MYSQL

- **Karachi House Price Predictor**

  - Developed a Machine Learning model to predict house prices in Karachi using regression techniques.
  - Performed data preprocessing, feature engineering, and model evaluation to ensure accuracy.
  - Built an interactive interface for users to input property details and get price predictions.

- **Insurance Premium Predictor**

  - Built a FastAPI web service to estimate insurance premiums from client inputs like age, BMI, smoking status, and other risk factors.
  - Utilized a machine learning model under the hood, with endpoints designed for easy integration or testing.

Other Tools

- Power BI
- Git
- Git Hub
- Canva
- Ms Office

LANGUAGES

- Urdu
- English

CERTIFICATES

- Certificate of Event Management

- Certificate of Power BI Session IEEE

- Membership Certificates