Sami Ullah

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SUMMERY

Aspiring Data Scientist with a Bachelor's degree in Information Technology and a strong passion for AI, data analysis, machine learning, deep learning and NLP. Proficient in building data-driven solutions to real-world problems, with hands-on experience in predictive modeling, exploratory data analysis (EDA), and feature engineering. I am eager to contribute my skills and continually grow in the field of data science.

EDUCATION

Bachelor of Science in Information Technology **(2020-2024)**
Government College University Faisalabad(GCUF) Pakistan
Intermediate of Computer Science **(2018-2020)**
Gabriel College Mandi Bahauddin

SKILLS

- **Programming:** Python, HTML, CSS
- **Data Science:** Machine Learning,Deep Learning,NLP,Predictive Modeling
- **Data Analysis:** Exploratory Data Analysis (EDA), Feature Engineering
- **Tools & Libraries:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn,TensorFlow,NLTK
- **Others:** Data Preprocessing, Model Optimization

Project

- **Bengaluru House Price Prediction:** Built ML models (**Ridge, XGBoost**) to predict house prices based on **location, size, BHK, and bath**. Performed **EDA, feature engineering, and hyperparameter tuning** to improve accuracy.
- **IMDB Movie Review Sentiment Analysis:** Developed a Bidirectional LSTM model to classify sentiments (positive/negative) from 50K reviews. Utilized NLP techniques (tokenization, stopword removal, lemmatization) and Word2Vec embeddings for text preprocessing.
- **Movie Recommendation System:** Implemented **content-based filtering** using **cosine similarity** to recommend movies based on user preferences. Processed text data for better similarity matching.
- **Flight Fare Prediction:** Developed a **Random Forest Regressor** model to estimate airline ticket prices. Performed **data preprocessing, feature engineering, and hyperparameter tuning**, achieving improved prediction accuracy.
- **Customer Churn Prediction**: Developed a predictive model to forecast customer churn using an **Artificial Neural Network (ANN) and SMOTE** for handling imbalanced data. Achieved strong recall and precision, along with good accuracy, successfully identifying churned customers and enabling proactive retention strategies.

Certificate

- **Huawei HCCDA Artificial Intelligence** – Corvit Rawalpindi
- **Data Analyst Course** – WsCube
- **Machine Learning Process A-Z** – 365 DataScience
- **Introduction to Data and Data Science** – 365 DataScience
- **Machine Learning in Python** – 365 DataScience