

Kashif Ur Rehman

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WORK EXPERIENCE

Data Science Trainee | [Knowledge Streams](#)

April 2024 – Present

- Developed machine learning models for data analysis and prediction tasks.
- Collaborated with team members to collect, clean, and preprocess large datasets for analysis.
- Demonstrated strong punctuality, teamwork, and time management skills in meeting project deadlines effectively.
- Implemented algorithms and techniques for feature engineering and model optimization, ensuring efficient project progression.

DS & ML

Sep 2023 – Present

- Conducted in-depth analysis of healthcare data to uncover insights
- Analyzed a data set on US accidents to identify patterns and factors contributing to accidents.

PROJECTS

[Speech-Recognition-System](#)

- Speech Recognition System: Developed a machine learning-based system for accurate speech-to-text conversion using LSTM neural networks.
- Audio Preprocessing: Implemented noise reduction, normalization, and MFCC feature extraction to enhance audio quality.
- Model Training: Trained an LSTM model achieving high validation accuracy for speech recognition tasks.
- Advanced Transcription: Integrated Wav2Vec2 for state-of-the-art transcription, improving overall accuracy and performance.

[House Price Prediction](#)

- Developed a machine learning model to predict house prices with high accuracy, utilizing regression techniques and advanced data preprocessing. Successfully deployed a user-friendly web application for real-time predictions.
- Implemented data visualization techniques to identify key trends and improve feature selection, enhancing model performance.

[Road Accident Analysis](#)

- Develop a Power BI project to analyze road accidents
- Identify and analyze trends in road accidents over time.
- Highlight key factors contributing to road accidents such as time of day, weather conditions, and location.

CORE SKILLS

PROGRAMMING LANGUAGES: Python

Developer Tools: Visual Studio, Jupyter Notebook, Google Colab

Databases: SQL

SOFT SKILLS: Communication Skills, Team Player, Deliver Results

CERTIFICATIONS

- [python introduction to data science and machine learning\(Udemy\)](#)
- [Python for Data Science and Machine Learning\(Udemy\)](#)

EDUCATION

[Islamia University of Bahawalpur](#)

BS Computer Science

2020_2024