

# Kashif Ur Rehman

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## WORK EXPERIENCE

### Data Analyst | [JC Buckman](#)

Aug 2024-Oct 2024

- Gained hands-on experience in data analysis while working at JC Buckman, Lahore.
- Worked with large datasets to derive insights and support business decisions.
- Utilized tools like Python, Power BI, and SQL for data cleaning, visualization, and interpretation.
- Applied statistical techniques and effectively communicated findings to stakeholders.

### Data Science Trainee | [Knowledge Streams](#)

April 2024 – July 2024

- 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.
- 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.

### [Loan Approval Prediction System](#)

- Developed a machine learning model using Python to predict loan approvals based on customer data.
- Implemented classification algorithms and performed data preprocessing.
- Optimized model performance using accuracy metrics.
- Enhanced decision-making efficiency for financial institutions.

### [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:** power BI, 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\(Udemy\)](#)
- [Python For Data Science](#)
- [Data Visualization With Power BI](#)

### **EDUCATION**

[Islamia University of Bahawalpur](#)

BS Computer Science

**2020\_2024**