

Talha Rehman

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SUMMARY

Motivated and detail-oriented Information Technology undergraduate seeking an AI/ML internship opportunity. Skilled in developing data-driven solutions using Python, TensorFlow, and Scikit-learn. Experienced in image classification, predictive modeling, and model evaluation. Quick learner with strong problem-solving skills and a passion for real-world applications of artificial intelligence.

EDUCATION

- University of the Punjab**
Bachelor of Science in Information Technology *Expected 2026*
- Superior College, Lahore**
Intermediate in Computer Science *2019 — 2021*

SKILLS

Languages: Python, C, C++, OOP

ML AI: Machine Learning, Deep Learning, Convolutional Neural Networks (CNN), Model Training, Evaluation, Supervised/Unsupervised Learning

Tools Libraries: TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, OpenCV, Jupyter Notebook, Streamlit, Google Colab

Databases: MySQL

Other: Data Preprocessing, Feature Selection, Cross-Validation

PROJECTS

Potato Disease Classification

TensorFlow, CNN, Data Augmentation

Developed a deep learning model using CNN to classify potato leaf diseases from images. Trained on a Kaggle dataset with real-time image input support. Applied data augmentation techniques such as flipping and rotation. Achieved 94.17% test accuracy and 97.92% validation accuracy. Saved model in Keras format and visualized predictions for multiple disease classes.

Heart Disease Prediction System

Python, Pandas, Scikit-learn, Logistic Regression

Designed a machine learning model using logistic regression to predict heart disease from patient data. Processed and analyzed 13 clinical features including cholesterol, blood pressure, and chest pain type. Used stratified train-test split for balanced evaluation and achieved an accuracy of ~90%. Performed feature encoding, null value checks, and created a predictive pipeline with result evaluation.

Movie Recommender System

Python, Pandas, Cosine Similarity

Built a collaborative filtering recommendation system using a user-movie rating matrix. Used cosine similarity to find similar users and suggest movies. Processed data using pandas and NumPy to generate relevant movie recommendations for each user.

CERTIFICATION

- Microsoft Certified: Azure AI Fundamentals