


TOUSEEF UR REHMAN

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OBJECTIVE

Motivated and enthusiastic Computer Science student at HITEC University seeking a challenging internship to apply academic knowledge in real-world projects. Passionate about software development, machine learning, and building innovative solutions.



EDUCATION

Bachelor of Science in Computer Science
HITEC University, Taxila
Registration No: 22-CS-051
Expected Graduation: 2026
CGPA: 3.25



ACADEMIC PROJECTS

Sentimental Analysis Web App

- Built using Flask and NLTK to analyze user sentiment
- Deployed on Render; handled NLTK data dependencies manually
- Technologies: Python, Flask, NLTK

User Authentication System (Flask Web App)

- Built a secure user authentication web app using Flask, HTML/CSS, and SQLite
- Features included user registration, login, logout, and password hashing (using werkzeug.security)
- Applied form validation and session management; structured backend using Flask routes and templates

Fake News Detection using ANN

- Built a classification system using Artificial Neural Networks (ANN) to detect fake news
- Preprocessed dataset (title + text), used word embeddings and trained a custom feedforward neural network
- Evaluated model using accuracy, precision, and recall.

CNN using Keras for image classification (Course Project)

- Implemented a CNN for image classification using Keras Functional API
- Fine-tuned using pre-trained models (VGG16 and ResNet50)

Stock Movement Prediction (GRU vs LSTM)

- Developed a comparative deep learning system using GRU and LSTM to predict stock trends

- Implemented using Keras with TensorFlow backend; trained on historical stock price data
- Visualized trends and accuracy metrics to determine best performing architecture



SKILLS

- **Languages:** C++, Python,
- **Tools & Platforms:** GitHub, VS Code, Anaconda, Render, Jupyter Notebooks , Pycharm, Google Colab
- **AI/ML Libraries:** NLTK, scikit-learn, Pandas, NumPy, Pytorch , Tensorflow
- **Web Technologies:** HTML, CSS, Javascript(basics), Flask
- **Databases:** MySQL, SQLite



ACTIVITIES

- Crypto mining enthusiast; assist peers in getting started with airdrops
- Member, HITEC Programming Club
- Volunteered in University Tech Fest 2024



CERTIFICATIONS

- Python Crash Course – Udemy
- Flask Web Development – Udemy