# TOUSEEF UR REHMAN

COMPUTER SCIENCE STUDENT

## CONTACT


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Muhallah Eid Gah, Taxila

https://github.com/touseef7878


## TECHNICALSKILLS

- Python, C++
- HTML5, CSS3, JavaScript
- Flask, MySQL, SQLite
- BeautifulSoup, Selenium
- Git & GitHub

## TOOLS & PLATFORMS

- TensorFlow, Keras, NumPy, Pandas, Scikit-learn, Matplotlib
- Jupyter Notebook, Google Colab, PyCharm, Anaconda, VS Code
- WordPress, XAMPP, Render

## LANGUAGES

- Urdu (Fluent)
- English (Conversational)

## PROFILE

I'm a Computer Science student deeply interested in artificial intelligence and machine learning. I love building smart systems that turn raw data into real insights. Whether it's analyzing public sentiment, predicting trends, or detecting fake news, I enjoy solving real-world problems using AI. My work blends coding, curiosity, and a strong understanding of machine learning models and data processing.

## PROJECTS

### AI-Powered Public Opinion Analyzer

A Flask web app that analyzes public opinion on AI using a trained Naive Bayes model. Processes user input with NLTK to detect AI-related topics and classify sentiment. Supports multi-class sentiments: from Enthusiastic to Skeptical, with confidence scores. Includes custom keyword filtering, lemmatization, and real-time sentiment feedback.

### Fake News Detection

Developed a machine learning model to detect fake news articles using TF-IDF and Logistic Regression. Cleaned and prepared a labeled dataset, then built a Flask web app where users can paste news snippets to check authenticity. Achieved high accuracy and fast classification speeds

### Sentiment Analyzer

A Python-based tool that classifies text into positive, negative, or neutral sentiment. Built using Scikit-learn and NLTK, it supports both binary and multi-class sentiment detection. Designed for quick analysis and easy integration into feedback systems and chatbots.

### GRU vs LSTM Stock Price Predictor

Created a deep learning project comparing GRU and LSTM models for forecasting stock prices. Trained both models on historical market data, tracked their accuracy and loss, and visualized their performance side-by-side. Helped understand where each model performs better and why.

## EDUCATION

**Bachelor of Computer Science** 2022 - Expected 2026

HITEC University Taxila

**GPA:** 3.3 / 4.0