**Name:**

Taiba Tariq

**Contact Information:**

Email: i232618@isb.nu.edu.pk

Phone: 0325-8557890

LinkedIn: https://www.linkedin.com/in/taiba-tariq-948630302/

Address:House 67 street 34,I-8/3

**Career Objective / Profile:**

Motivated Data Science undergraduate with a strong foundation in C++, Python, and Machine Learning. Passionate about data-driven problem solving and analytical thinking. Experienced in working with real-world datasets, predictive modeling, and customer behavior analysis. Eager to apply data science concepts in a practical environment to drive meaningful insights and business solutions.

**Education:**

Bachelor of Science in Data Science, National University of Computer and Emerging Sciences (FAST-NUCES), Islamabad,Relevant Courses:aData Structure, Database Systems, Artificial Intelligence

**Skills:**

▪ Programming Languages: Python, Java, C++

▪ Web Development: HTML, CSS, JavaScript

Technical skills: Data Analysis & Visualization,EDA, Machine Learning, Data Preprocessing, DSA,NumPy, Pandas, Scikit-learn, Matplotlib, OpenCV,Langflow,LangChain,HuggingFace

**Experience / Internships:**

* AI/ML Intern AI GEN MAT — Internship
* Developed and trained ML model using Logistic Regression to predict whether an employee will leave the company (Attrition) based on features like job role, distance from home, satisfaction level, etc.
* Developed and trained KNN-based machine learning pipeline from scratch (no prebuilt classifiers) to classify handwritten digits from the MNIST dataset.
* Loan Default Risk Prediction Using Decision Tree Classifier
* **Projects / Research:**

**Hand-Tracked Snake Game — Computer Vision & Python Project**

Built a real-time Snake Game controlled entirely via hand gestures using webcam Tracked finger to control snake movement; implemented smooth motion and dynamic body length. Added gesture-based control system Implemented collision detection with self and food using vector math and cv2.pointPolygonTest. Integrated custom food visuals using transparent PNG overlays (overlayPNG)

**Achievements / Extracurricular Activities:**

▪ President, Wall Of Hope — March, 2025-present

▪ Head, FAST AI Society — September , 2025 –Present

▪ Volunteer, Nescom Hospital— April,2025