

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: Data 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