

EDUCATION

- **Bachelors in Computer Science** Aug 2021 – July 2025
FAST National University, Peshawar CGPA-3.3

EXPERIENCE

- **Teaching Assistant (DBMS, OS)** Aug 2023 – Jan 2024
FAST NUCES

PROJECTS

- **Urdu Sign Language Tutor** 2024-2025
Web platform to recognize static and dynamic Urdu sign language
 - CNN (MobileNetV2) used for static signs and LSTM model for dynamic gesture recognition.
 - Real-time webcam-based prediction with Django backend and React frontend.
- **Virtual DNA Testing** 2023
AI model to analyze familial similarity from facial images
 - Used feature extraction, eye detection, and tone analysis for parent-child comparison.
- **Mask Detection System** 2024
Detects presence and type of face masks in real-time
 - Utilized OpenCV and deep learning models for accurate mask classification.
- **Blood Donation Website** 2022
Manages donor data and information for organizations
 - Developed with HTML, CSS, PHP, and MySQL for full-stack functionality.
- **Tetris Game (C++)** 2022
Interactive console-based game using OOP principles
 - Implemented mechanics including dynamic blocks, scoring, and game state.
- **Genomic Data Classification** 2023
Multi-label AI model for Gene Ontology prediction
 - Built deep learning model for multi-label sequence classification.

TECHNICAL SKILLS

- **Languages:** Python, C++, PHP, HTML/CSS, SQL, Java
- **Frameworks/Tools:** OpenCV, Tensor Flow, Scikit-Learn, numpy, MobileNet, MySQL
- **Concepts:** Machine Learning, Deep Learning, Image Detection/Classification, OOP, DBMS, Data Structures, Real-time Inference

AWARDS AND ACHIEVEMENTS

- **Dean's List** FAST NUCES
- **Academic Medals** 2× Silver, 2× Bronze for academic excellence

LANGUAGES

- Urdu (Native), English (Proficient)