

## EDUCATION

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### • Bachelors in Computer Science

FAST National University, Peshawar

Aug 2021 – July 2025

CGPA-3.3

## EXPERIENCE

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### • Teaching Assistant (DBMS, OS)

Aug 2023 – Jan 2024

FAST NUCES

## PROJECTS

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### • 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

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- **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

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- **Dean's List** FAST NUCES

- **Academic Medals** 2× Silver, 2× Bronze for academic excellence

## LANGUAGES

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- Urdu (Native), English (Proficient)