Abdul Ahad Malik

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EDUCATION

•**Bachelors in Computer Science**   *Aug 2021 – july 2025*
  FAST National University   **CGPA**-3.3

EXPERIENCE

•**Teaching Assistant**   *Aug 2022 – Jul 2025*
                                                                                        FAST NUCES

  – **Served as a Teaching Assistant for Database Management Systems (DBMS), Operating Systems (OS), Compiler Construction, Probability & Statistics, and Artificial Intelligence across various semesters.** 2

•**Junior Software Engineer**   *Feb 2025 – Aug 2025*
                                                                                              Skordl

  – **Designed and implemented innovative machine learning solutions to address complex real-world challenges.** 2
  – **Developed CNN-based models for high-impact image detection and classification tasks.** 2

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.

TECHNICAL SKILLS

• **Languages:** Python, C++, PHP,HTML/CSS, SQL, Java

• **Frameworks/Tools:** OpenCV,Tensor Flow,Sckit-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)