Muhammad Mahad Munir

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EDUCATION:

National University of Computer and Emerging Sciences (FAST-nuces)   Karachi, Pakistan
Bachelor of Science – Computer Science   Sep 2021- Jun 2025

SKILLS SUMMARY:

- **Languages:** JavaScript, Typescript, C/C++, Python, SQL, React.JS, React-Native, CSS, HTML.
- **Frameworks & Tools:** Scikit, Pandas, TensorFlow, Keras, Tailwind CSS, MySQL, CNN, Qiskit, HVIT, VIT.
- **Platform:** VsCode, Google Colab, Azure, Arduino.

EXPERIENCE:

- **State Bank of Pakistan**   Onsite
  Machine Learning Intern   June 2024- Aug 2024
  1) Researched fake and genuine currency note detection using machine learning.
  2) Analyzed computer vision techniques for currency authentication.
  3) Identified challenges in mobile-based detection, including camera limitations.
  4) Shifted focus to a research-based study due to technical constraints.
  5) Collaborated with mentors and senior team members on research methodologies.
  6) Explored algorithmic approaches for improving currency authentication.
  7) Documented findings and presented insights on potential solutions.

- **Intern Pakistan**   Remote
  Front end Intern   Jul 2023 – Aug 2023
  1) Learned frontend development using HTML, CSS, and Bootstrap.
  2) Developed responsive websites for cross-device compatibility.
  3) Gained hands-on experience in modern web design and UI/UX principles.
  4) Worked on styling and optimizing web pages for better user experience.
  5) Improved skills in creating visually appealing and functional websites.

PROJECTS:

- **ANOMALY DETECTION IN CCTV FOOTAGES (FYP)**   Fall 2024
  A Software that detects anomalies in live CCTV Footages based on Human behavior. It is contributing to Public Safety.
  Technology: CNN, HVIT, VIT, Python, Flask
- **QUANTUM SECURE DIRECT COMMUNICATION**   Fall 2024
  Developed a QSDC system to enable secure, keyless message transmission. It enhances data confidentiality and ensures
  future proof cybersecurity against eavesdropping threats. Technology: Qiskit, Python, Quantum Technology
- **AI-POWERED FRUITS FRESHNESS DETECTOR**   Spring 2024
  Developed a Web application to detect Freshness of Fruits and Vegetables using Artificial Intelligence and Computer Vision
  techniques. Technology: CNN, TensorFlow, Python, Keras, Flask,
- **FIFA WORLD CUP PREDICTOR**   Spring 2024
  Developed a Software which predicts the upcoming FIFA world Cup Winners and Runner Ups using previous World Cup data.
  Technology: Regression techniques, Python, matplotlib, Keras, pandas.
- **E-COMERCE WEBSITE**   Fall 2023
  Developed an E-Commerce Website for buying and Selling Mobile Devices. It includes features like adding to cart, searching,
  checkout etc. Technology: React.js, Node.js, SQL, XAMPP,
- **MORSE CODE CONVERTER**   Fall 2022
  Implemented Data Structures Concepts to convert English text to morse code and vise versa.
  Technology: C++ language,

COURSE WORK:

1) Deep learning Perception
2) Data Science
3) Recommender System
4) Quantum Computing
5) Introduction to Cloud Computing
6) DevOps