

# MUHAMMAD MAHAD MUNIR

SOFTWARE DEVELOPER | MACHINE LEARNING ENGINEER

## CONTACT

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## PROFILE SUMMARY

Ambitious Software Developer with hands-on experience in Machine learning, Computer Vision, and Full Stack Development. Strengthened practical skills through internships at the State Bank of Pakistan and Intern Pakistan, contributing to algorithmic research and responsive web solutions. Proficient in Python, C++, and JavaScript, with a keen interest in AI, Computer Vision and Quantum Computing. Dedicated to building impactful, future-ready applications and pursuing innovative solutions in cutting-edge tech domains.

## EDUCATION

Sep 2021 - June 2025

NATIONAL UNIVERSITY OF COMPUTER AND  
EMERGING SCIENCES (FAST-NUCES)

- Bachelors in Computer Science

## SKILLS

### Languages :

- Python
- C/C++
- C#
- Javascript/TypeScript
- SQL
- HTML/CSS

### Frameworks & Libraries :

- React.js
- React Native
- Tailwind CSS
- Scikit - Learn
- Pandas/NumPy/Matplotlib
- TensorFlow
- Keras / PyTorch
- OpenCV
- Qiskit
- CNN / RNN
- VIT / HVIT

### Tools & Platforms :

- VsCode
- Google Colab
- MS Azure
- MS Office Suit
- Arduino

## WORK EXPERIENCE

### State Bank of Pakistan

JUN 24 - AUG 24

Machine Learning Intern

- Researched fake and genuine currency note detection using machine learning.
- Analyzed computer vision techniques for currency authentication.
- Identified challenges in mobile-based detection, including camera limitations.
- Shifted focus to a research-based study due to technical constraints.
- Collaborated with mentors and senior team members on research methodologies.
- Explored algorithmic approaches for improving currency authentication.
- Documented findings and presented insights on potential solutions.

## PROJECTS

- Anomaly detection in CCTV footages (FYP)
- Hand gestures to image generation
- Quantum secure direct communication
- AI-powered fruits freshness detector
- FIFA World Cup predictor
- E-commerce website
- Morse code converter
- Parallelized file compression

## COURSE WORK

- Deep Learning Perception
- Data Science
- Recommender Systems
- Quantum Computing
- Artificial Intelligence
- Cloud Computing
- DevOps