

# Muhammad Mahad Munir

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Karachi, Pakistan | github.com/MMahad3

## Profile Summary

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Ambitious DevOps Engineer and Software Developer with hands-on experience in cloud infrastructure, automation, and full-stack development. Currently working as an Associate DevOps Engineer at HulHub Pakistan, managing staging, QA, and production environments for Beelinks. Strong academic foundation in AI, Data Science, and Software Engineering, with practical experience through internships and projects. AWS Cloud Practitioner certified, with a career goal of growing into a Cloud Solution Architect.

## Education

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**National University of Computer and Emerging Sciences (FAST-NUCES),**  
BS in Computer Science

Sep 2021 – Jun 2025

## Skills

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**Languages:** Python, C/C++, C#, JavaScript/TypeScript, SQL, HTML/CSS

**Frameworks & Tools:** React.js, React Native, Tailwind CSS, Scikit-Learn, Pandas/NumPy/Matplotlib, TensorFlow, Keras/PyTorch, OpenCV, Docker, Jenkins

**Platforms:** AWS, Jenkins, Github, GitLab, VS Code, Google Colab, Azure, Arduino, MS Office

## Experience

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**Associate DevOps Engineer,** HulHub Pakistan

May 2025 – Present

- Managing and maintaining staging, QA, and production environments for Beelinks.
- Performing daily staging testing, deployments, and system health checks.
- Building and maintaining Jenkins pipelines to automate deployments.
- Monitoring and troubleshooting environments to ensure high availability and reliability.

**Machine Learning Intern,** State Bank of Pakistan

Jun 2024 – Aug 2024

- Researched currency note authentication using machine learning and computer vision.
- Explored algorithmic approaches for improving mobile-based detection accuracy.
- Documented research findings and collaborated with senior mentors.
- Analyzed computer vision techniques for currency authentication.
- Collaborated with mentors and senior team members on research methodologies.

## Projects

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- **Anomaly Detection in CCTV Footages (FYP)** – Detects anomalies in live CCTV footage for public safety. *Tech:* CNN, HVIT, VIT, Python, Flask
- **Quantum Secure Direct Communication** – Designed a system for secure, keyless message transmission using quantum tech. *Tech:* Qiskit, Python
- **AI-Powered Fruits Freshness Detector** – Web app to detect fruit/vegetable freshness using computer vision. *Tech:* CNN, TensorFlow, Keras, Flask
- **FIFA World Cup Predictor** – Predicted winners and runner-ups using regression on past World Cup data. *Tech:* Python, Keras, Pandas
- **E-Commerce Website** – Online platform for buying/selling mobile devices with cart and checkout. *Tech:* React.js, Node.js, SQL
- **Morse Code Converter** – Converted English text to Morse code and vice versa. *Tech:* C++