# Muhammad Mahad Munir

linkedin.com/in/mahad-munir  |  mahadmunir6@gmail.com  |  +92-334-3005859  |  mmahad3.github.io

Karachi, Pakistan  |  github.com/MMahad3

## Profile Summary

DevOps Engineer with experience in cloud infrastructure, CI/CD automation, and full-stack application deployment. Currently contributing to Beelinks at HulHub Pakistan by automating deployment pipelines, optimizing cloud resources, and maintaining staging, QA, and production environments, achieving 50% faster deployments and 99% uptime. Actively implementing infrastructure-as-code and code quality automation while gaining hands-on experience with disaster recovery and cloud migration projects. AWS Cloud Practitioner certified.

## Education

**National University of Computer and Emerging Sciences (FAST-NUCES)**,
BS in Computer Science                                                                      Sep 2021 – Jun 2025

## Skills

**Cloud & DevOps:** AWS, Azure, Docker, Terraform, Jenkins, Github Actions, Gitlab CI/CD, Linux, Bash, Apache, Nginx, SonarQube
**Languages:** Python, C/C++, C#, JavaScript/TypeScript, SQL, HTML/CSS
**Frameworks:** React.js, React Native, Tailwind CSS, Scikit-Learn, Pandas/NumPy/Matplotlib, TensorFlow, Keras/PyTorch, OpenCV
**Tools:** VS Code, Google Colab, Arduino, MS Office

## Experience

**Associate DevOps Engineer**, HulHub Pakistan                                                 May 2025 – Present
- Automated deployment pipelines for staging, QA, and production environments using Jenkins, supporting 10+ microservices and reducing manual deployment time by 60%.
- Conducted security and cost optimization audits across AWS accounts, identifying unused resources, access risks, and areas to reduce monthly cloud costs while improving compliance.
- Developing Terraform infrastructure-as-code modules to provision cloud resources for disaster recovery scenarios, improving preparedness against potential cloud outages (e.g, AWS us-east-1).
- Streamlined staging and QA processes, automating repetitive environment provisioning and testing tasks, reducing manual effort by 50%.
- Maintained Linux based environments, configuring Apache and Nginx web servers, performing system health checks, monitoring logs via CloudWatch, and ensuring 99% application uptime.
- Experimenting with integrating SonarQube into Jenkins pipelines for unit test automation and code quality checks to improve code reliability and early bug detection across services.

**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.
- Analyzed computer vision techniques for currency authentication.

## Projects

- **Anomaly Detection in CCTV Footages (FYP)** – Detects anomalies in live CCTV footage. *Tech: CNN, HVIT, VIT, Python, Flask*
- **MERN App Deployment on AWS** – Deployed full-stack MERN app on AWS S3, EC2, RDS. *Tech: AWS*
- **Blue Green Deployment** – Implemented Blue-Green deployment for ML web app using Docker and NGINX. *Tech: Docker, TensorFlow, NGINX, AWS EC2*
- **FIFA World Cup Predictor** – Predicted winners using regression on past World Cup data. *Tech: Python, Keras, Pandas*