

Muhammad Mahad Munir

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Profile Summary

I am a 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 outages such as AWS us-east-1 downtime.
- 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, HVTI, 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