

# Rajitha Bandara

BSc (Hons) in Information Technology, University of Moratuwa

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[github.com](https://github.com) | [linkedin.com](https://linkedin.com) | [Portfolio](#)

## Professional Summary

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DevOps-focused final-year Information Technology undergraduate with hands-on experience software development, designing CI/CD pipelines, containerizing applications, and managing Linux-based infrastructure. Skilled in Jenkins, Docker, GitHub automation, and cloud VMs to enable reliable and repeatable deployment workflows. Passionate about infrastructure automation, cloud-native technologies, and improving software delivery efficiency through tooling, observability, and continuous integration practices.

## Core Skills

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**DevOps & Cloud:** Jenkins, Docker, Kubernetes (basic), Ansible, Linux, Ansible, AWS, Azure

**Frameworks & Libraries:** .NET, Spring Boot, Node.js, React, React Native

**Programming & Scripting:** C#, Java, JavaScript, Python, Bash

**Databases:** PostgreSQL, MySQL, MongoDB, Redis

**Version Control:** Git, GitHub, GitLab

**Methodologies:** DevOps culture, Agile/Scrum

## Technical Projects

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### Linux RBAC Security Automation Project 2026

*Tools:* Linux, Git

*Source:* [RBAC Security.git](#)

- Implemented Linux role-based access control using groups (dev/qa/ops), chmod/chown, and ACLs for fine grained permissions.
- Enforced password complexity and expiry policies using PAM and login.defs.
- Automated onboarding/offboarding using Bash scripts with audit logging and privilege removal.
- Enabled sudo auditing and centralized sudo logging for compliance and traceability.

### Configuration Management with Ansible 2026

*Tools:* Ansible, Linux

- Automated Linux server provisioning with Ansible playbooks, replacing manual setup with infrastructure-as-code-driven configuration.
- Implemented reusable roles for package installation, user management, and baseline hardening to standardize server configurations.
- Applied idempotent configuration strategies to maintain consistent environment states across multiple runs and reduce configuration drift.

### Academy Management Mobile App — Internship Team Project (Share Mind) 2025

*Tools:* .NET, React Native (Expo), MSSQL

- Developed a full-stack academic mobile app supporting 1,000+ users with role-based access (Admin, Coordinator, User).
- Built attendance features including QR-based attendance marking, session creation, and attendance summary reporting.

- Designed a clean, responsive mobile UI/UX in React Native (Expo) and integrated payment tracking with summary views.

## **CI/CD Pipeline with Jenkins, Docker, and GitHub**

2025

*Tools: Jenkins, Docker, GitHub, Linux, Azure VM*

- Designed and deployed a Jenkins-based CI pipeline on an Azure Linux VM to automate build and packaging for a web application.
- Integrated GitHub webhooks to trigger builds on every commit, eliminating manual build steps and shortening feedback cycles for developers.
- Containerized build artifacts using Docker and pushed versioned images to Docker Hub to ensure consistent deployments across environments.

## **Internship Experience**

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### **Intern – Software Engineering**

Mar 2025 – Nov 2025

*Share Mind, Colombo*

- Developed and maintained full-stack mobile applications handling 1000+ daily requests, contributing to improved application reliability and performance.
- Implemented and enhanced .NET backend services and React Native frontends within an Agile/Scrum team, participating in sprints, code reviews, and releases.
- Built Microsoft Power Platform solutions with automated email workflows, reducing HR process turnaround time by 50% and minimizing manual follow-ups.
- Collaborated with cross-functional stakeholders (developers, QA, business users) to clarify requirements and deliver production-ready features.

## **Education**

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### **BSc (Hons) in Information Technology**

Jul 2022 – Jul 2026

University of Moratuwa, Sri Lanka

- Relevant Coursework: Operating Systems, Software Engineering, Computer Networks, Cloud Computing

## **Certifications**

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### **Ultimate DevOps Bootcamp – School of DevOps**

CI/CD pipelines, Jenkins, Docker, and core DevOps practices

## **Leadership**

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### **President – Faculty Official Media Unit**

Dec 2025 – Jun 2026

- Restructured team hierarchy into a single-responsibility model, improving delivery speed and operational efficiency for media and communications tasks.

### **Main Batch Representative – Faculty of Information Technology** Apr 2023 – Apr 2024

- Built and promoted an online peer-learning platform that improved collaboration, resource sharing, and knowledge exchange across student groups.

## **Languages**

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English (Professional proficiency)