

# Chathura Abeygunawardhana

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## EDUCATION

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<b>University of Moratuwa</b> <i>Bachelor of Science Honours in Information Technology (Expected 2026)</i> <ul style="list-style-type: none"><li>CGPA: 3.62/4.00 (up to Semester 5)</li><li>Dean's List: Level 02 Semester 01 (SGPA 3.81)</li></ul>	Moratuwa, Sri Lanka 2022 – Present
<b>IJSE Institute of Software Engineering</b> <i>Comprehensive Master in Java Development</i>	Sri Lanka Completed 2022
<b>Richmond College</b> <i>GCE Advanced Level - Physical Science Stream</i>	Galle, Sri Lanka AAB

## EXPERIENCE

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<b>Trainee Software Engineer</b> <i>WireApps Ltd</i>	May 2025 – September 2025 6 months
<b>Software Engineer - Intern</b> <i>WireApps Ltd</i>	October 2024 – April 2025 6 months

## PROJECTS

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### **Automated CI/CD Pipeline for Containerized Application** | *Docker, GitHub Actions, AWS, Python*

- Built an end-to-end CI/CD pipeline using GitHub Actions to test and deploy a containerized Flask application to AWS Elastic Beanstalk
- Containerized the application using Docker and implemented automated testing, health checks, and IAM-based deployment with rollback support
- [GitHub](#)

### **Cloud Infrastructure Automation with IaC** | *Terraform, Ansible, AWS*

- Provisioned AWS infrastructure using Terraform to deploy EC2 instances, security groups, and networking components
- Automated server configuration with Ansible to install and configure Nginx, applying IaC principles with modular deployment and secure SSH key management
- [GitHub](#)

### **Kubernetes Monitoring & Orchestration Platform** | *Kubernetes, Prometheus, Grafana, Helm*

- Deployed a highly available application on Kubernetes with replica scaling, health checks, and automatic pod recovery
- Integrated Prometheus and Grafana for real-time monitoring and alerting, with Helm charts for streamlined cluster management
- [GitHub](#)

### **DevSecOps - Secure Container Scanning Pipeline** | *Jenkins, Trivy, Docker, AWS EC2*

- Self-hosted Jenkins CI server on AWS EC2 using Docker with socket mounting for container-native build and scan workflows
- Integrated Trivy into a multi-stage Jenkinsfile pipeline with a hard deployment block on high and critical CVEs, and demonstrated a full vulnerability lifecycle across git commits
- [GitHub](#)

## TECHNICAL SKILLS

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**Cloud Platforms:** AWS (EC2, EKS, Lambda, S3, VPC, CloudWatch), GCP

**Container & Orchestration:** Docker, Kubernetes, ArgoCD

**CI/CD Tools:** Jenkins, GitHub Actions

**Infrastructure as Code:** Terraform, Ansible, Pulumi

**Monitoring & Logging:** Prometheus, Grafana, CloudWatch

**Scripting Languages:** Python, Bash

**Version Control:** Git

**Databases:** PostgreSQL, MySQL, MongoDB

**Security Tools:** SonarQube

**Other Tools:** Nginx, Apache, Redis

**Methodologies:** Agile, Scrum, GitOps

## COMPETITIONS & ACHIEVEMENTS

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**Duothan 2024** - 1st Place: Inter-University Web Development Hackathon (NSBM)

**CoderRush 2023** - 1st Place: Intra-faculty Ideathon and Hackathon (University of Moratuwa)

**FestX 4.0 Hackathon** - 2nd Place: Individual Algorithmic Programming (IEEE WIE, UoM)

**CodeRally 4.0** - 2nd Runner Up: Algorithmic Programming (IEEE CS of IIT)

**CoderRush 2022** - 4th Place: HackerRank Competition (Group)

**Codefest 2022** - Top 10 Finalist: 24-hour Hackathon Finals (SLIIT)

**Codefest 2022 Algorithon** - Top 10 Finalist: Algorithmic Programming (SLIIT)

**Aces Coders V10.0** - 13th Position: Hackathon (University of Peradeniya)

**Techno Hackathon** - 16th Place: Group Hackathon (IESL Student Chapter, UoM)

## VOLUNTEERING & LEADERSHIP

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**SLRMUN 2023 Conference** - Co-chair of the Project & Under Secretary General of Administration (Rotaract Club, University of Moratuwa)

**Project AYA** - Video Editor & Prompt Generator: Multilingual AI Model Initiative (Rotaract Club, University of Moratuwa)

**Rotaract Club** - Active Member (University of Moratuwa)

## CERTIFICATES

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Introduction to Linux LFS101 - The Linux Foundation - [Verify](#)

Docker Level 1 - KodeKloud - [Verify](#)

Postman API Fundamentals Student Expert - [Verify](#)

Oracle Cloud Infrastructure 2025 Certified Data Science Professional - [Verify](#)