

SASANKA RANAWAKA

Undergraduate | Aspiring DevOps & System Engineer

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Summary

Motivated BICT (Hons) undergraduate at the University of Sri Jayewardenepura with strong foundations in system administration, cloud computing, DevOps practices, and networking. Proficient in Linux, Docker, CI/CD pipelines, GitHub Actions, and cloud technologies, with additional exposure to modern software development. Quick learner with solid problem-solving and teamwork skills. Seeking an internship to apply technical abilities, support IT operations, and contribute to scalable, automated solutions in a dynamic ICT environment.

Area of Expertise

System Administration	Docker & Containerization	Automation & Shell Scripting	Cloud Computing
Network Fundamentals	CI/CD Pipeline Development	DevOps Tools & Practices	Version Control

Experience

Codeku DevOps Academy

May 2025 – Current

Freelance Technical Blogger

- Create and publish technical blogs focused on DevOps technologies, including Docker, Git, CI/CD, Linux, Jenkins and Kubernetes.
- Educate and share practical knowledge to help professionals and learners grow in the tech field.
- Demonstrate strong communication and technical written skills through consistent content delivery.

University of Sri Jayewardenepura

Dec 2024 – Feb 2025

Program & Event team member - Japura CryptX 1.0

- Facilitated team communication using agile practices, reducing task delays by 20%
- Coordinated with more than 10 industry professionals to organize CTF and Hackathon events for over 100 participants, achieving high participant satisfaction.

Education

Faculty of Technology, University of Sri Jayewardenepura

Jul 2023 – Jan 2027

Bachelor of Information and Communication Technology Honors (R)

- 3.81 GPA, Specialization in Network Technology.
- Successfully managed a third-year university mini project with tight deadlines.
- Member of IEEE Communication Society, Vikings Club, ICTS.

University of Moratuwa

Sep 2025 – Mar 2026

Cisco Certified Network Associate: (200-301 CCNA) (R)

- Accomplished 90% in the ITN module through consistent effort and strong problem-solving skills.

British Way English Academy

Feb 2022 – Aug 2022

Diploma in English

- Earned Merit Pass in Diploma in English through consistent effort and commitment to excellence.

Mahinda Rajapaksha College, Matara

Jul 2020 – Sep 2022

G.C.E Advanced Level Examination in the Engineering Technology Stream.

- Achieved 3 A's (SFT – A, ET – A, ICT – A)

Skills

Cloud & DevOps:

- AWS, Docker, Kubernetes, Jenkins, GitHub Actions, CI/CD, Nginx

System Administration:

- Linux, Shell Scripting, User & Permission Management

Development & Tools:

- Git, GitHub, Python, Java, NodeJS, MySQL

Projects

Jenkins Pipeline with SonarQube, Docker, GitHub Webhooks and AWS

Technologies: Jenkins, Docker, GitHub Webhooks, AWS EC2, SonarQube

Key contributions:

- Designed and implemented a fully computerized CI/CD pipeline using Jenkins, reducing manual deployment time by 70%.
- Integrated GitHub Webhooks to trigger pipelines automatically on each code push, improving development workflow efficiency.
- Configured SonarQube for static code analysis, improving code quality and early detection of vulnerabilities.
- Built Docker images and processed containerized deployments on AWS EC2 for consistent and reliable application releases.

Links: [GitHub](#) | [Medium Blog](#)

MoodMirror Mental Health Monitoring System

Technologies: ReactJS, NodeJS, Tailwind CSS, MongoDB, OpenCV, GitHub

Key contributions:

- Successfully collaborated within a 5-member team, managing tasks and deadlines to complete the project within the planned timeline.
- Improved emotion-recognition accuracy by over 75% by integrating multimodal AI techniques using TensorFlow, Keras, and OpenCV.
- Enhanced system performance by reducing detection/response time by approximately 30% through optimized API and model integration.

Links: [GitHub](#)

References

Dr. Nuwan Kuruwitaarachchi,
Senior Lecturer,
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Faculty of Technology,
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Dr. D.L Chamara Pramod Liyanage,
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