

Harendra Rathnayaka

BSc (Hons) in Information Technology Undergraduate



CONTACT



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Portfolio/hendrarathnayaka

LANGUAGES

- English
- Sinhala

PROFICIENCY SKILLS

- AWS and Azure
- Cloud Technologies
- Python
- Docker / Ansible / Kubernetes
- CI / CD pipelines
- PostgreSQL
- MongoDB
- React JS / Node JS
- Terraform
- Flask

About Me

I am R.M. Harendra Rathnayaka, an ambitious and dedicated Information Technology undergraduate at SLIIT. With hands-on experience in cloud platforms like AZURE, AWS and a strong foundation in automation tools, I am passionate about optimizing workflows and enhancing operational efficiency through continuous integration, continuous deployment (CI/CD), and infrastructure as code (IaC). My curiosity for innovation drives me to stay updated with the latest DevOps practices and cloud technologies. I am eager to contribute to dynamic engineering teams by solving complex problems and delivering cutting-edge cloud solutions.

Education

● Sri Lanka Institute of Information Technology (SLIIT) – [2021 - Present]

BSc (Hons) in Information Technology Specializing in Information Technology – 4th Year 1st Semester. (GPA – 2.76)

● Higher Diploma in Information Technology (SLIIT) – [2021 - 2023]

● G.C.E A/L – [2020]

B/ Bandarawela central college – Physical Science Stream.

● G.C.E O/L – [2015]

B/ Bandarawela central college.

Industrial Experience

● Intern Data Analyst – [November 2023 – May 2024] (Department of Census and Statistics)

During my 6-month internship as a data analyst at the Department of Census and Statistics Sri Lanka, I built detailed dashboards with predictive analytics and time series data using Microsoft Power BI, applying the ETL process. I created relational databases with MySQL and PostgreSQL then transformed data for clear visualization. Additionally, I collaborated with teams using agile methodology for timely project delivery. After implementing these solutions, the IT department saw a **20% increase in efficiency in data processing** and a **15% improvement in decision-making speed**, streamlining overall operations.

(MySQL Server, Power BI, Excel, Flask, Streamlit, Python, PostgreSQL)

● DevOps-end-to-end-Project - Personal Project

This project outlines the step-by-step implementation of DevOps practices from containerization to CI/CD deployment using Kubernetes. It starts by writing multi-stage Dockerfiles for efficient containerization, followed by setting up continuous integration with GitHub Actions for testing and building. Continuous delivery is handled using Argo CD for streamlined Kubernetes deployments. The process includes creating Kubernetes manifests, Helm charts, and configuring Ingress controllers for routing.

Also this project covers deploying the application on a Kubernetes cluster, setting up EKS with Terraform, and managing deployments with Helm. Sync policies in Argo CD automate the updates, while GitHub Actions streamline the CI/CD process with Docker images and Helm chart updates, offering a comprehensive DevOps solution. **(Docker, GitHub Actions, Kubernetes, Helm, Argo CD, Terraform, Ingress Controllers, Go Language)**

- Express JS
- Bash / Shell Scripting
- Go Language
- Jupyter Notebook
- Linux Commands
- Power BI and MySQL
- Helm / Argo CD
- Postman
- Git / GitHub / GitLab
- Springboot
- Oracle

PERSONAL SKILLS

- Problem solving
- Collaboration
- Quick learner
- Confident
- Time management
- Event management
- 24/7 on demand service
- Critical and Analytical Thinking
- High attention to details
- Automation mindset
- Leadership

INTERESTS AND HOBBIES

- Hiking and Trekking
- Photography
- Technology exploration
- Play badminton & cricket
- Watching Movies
- Listening to music

➤ Check out my Portfolio...!



Social Media Web Application for Fitness Enthusiasts – 3rd year Application frameworks Project (group leader)

There were 04 functions in the system and my function is “Workout management” developed with full CRUD operation. Also, this app includes JWT authentication system for handling users.

(React Js, Springboot framework, Mongo DB, Git, Tailwind CSS, Bootstrap)

Tour Planning Management System – 3rd Year Information Technology Project (group leader)

There were 04 functions in the system and my function is “Tour payment management” developed with unique QR code generation for adding discounts for payment via another hosted application, email service.

(React Js, Node Js, Express Js, Mongo DB, Git, Bootstrap, web hosting)

Timber Company Management System – 2nd Year Information Technology Project

There were 08 functions in the system and my function is “Customer management (whole user interface)” developed with full CRUD operation including Login, Signup, Home Page with search and filtration, Shopping cart with calculations, Auto PDF generation and download, email services.

(React Js, Node Js, Express Js, Mongo DB, Git, Figma, Bootstrap)

Job Search Application – 2nd Year Mobile Application Development Project

There were four functions also in the system and my function is “Company insights” developed with full CRUD operation with search.

(Kotlin, Firebase, Android Studio, Figma, Git, XML)

Qualifications and Certifications

- G.C.E. O/L – 2015 [A -6(main subjects included)/B-3]
- G.C.E. A/L – 2020 [3 simple passes – combined maths, physics, chemistry/C - General English]
- GIT Exam – 2017 [A – Excellent Level Competency]
- React.JS Essential training offered by LinkedIn Learning.
- Introduction to MongoDB certification via MongoDB university.
- **AWS Academy Graduate - AWS Academy Cloud Foundations program.**
- **Following the professional certifications in Kodekloud platform.**
- **Following the Azure developer associate certification.**

Work History

- FCSC SLIIT member (2021 present).
- SLIIT Student (2021 August present).
- Rotaract Club of SLIIT member (2022 present).
- Leo Club of SLIIT member (2022 present).
- The Gavel Club of SLIIT member (2023 present).
- Past pupils’ association of B/Bandarawela central college member.
- Held many positions at many societies and clubs in B/Bandarawela central college (Included in school character certificate).

References

- **Tharaka Dissanayake**
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