






DIVYANI CASSION PRINSTON

Software Engineer | Full-Stack Developer

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ABOUT ME

As a Computer Engineering student, I'm passionate about **Backend Development, Cloud Computing, and DevOps**. My interests lie in designing scalable APIs, integrating cloud-native services, and optimizing backend systems for performance and reliability. I am eager to apply my skills to solve real-world challenges, contribute to impactful solutions, and continuously enhance my expertise in a dynamic and collaborative environment.

EDUCATION

BSc.Eng(Hons) in COMPUTER ENGINEERING **GPA: 3.6/4** (April 2021 – 2025)

University Of Jaffna

G.C.E. Advanced Level Examination - **A 2B** (August 2019)

G.C.E. Ordinary Level Examination - **9A** (December 2016)

EXPERIENCE

Software Engineering Intern (Feb – Aug 2025)

WSO2 Lanka (Pvt) Ltd, Colombo 04, Sri Lanka

Technologies: WSO2 API Manager | WSO2 Micro Integrator | WSO2 Identity Server | Docker | Ballerina | React (TypeScript) | GraphQL | MySQL | Rancher Desktop | GitHub

- Developed an end-to-end role-based insurance portal with a React (TypeScript) frontend and WSO2 backend services.
- Integrated the **WSO2 stack** for enterprise security, API management, and service orchestration.
- Configured **WSO2 Identity Server** for role-based access control (Customers, Employees, Administrators) using OIDC.
- Built secure **RESTful backend** services with MySQL and containerized them using **Docker** for simplified deployment and scalability.
- Contributed to the **Solution Architecture team** by developing a reusable proof of concept (POC) in the insurance domain.

RESEARCH PROJECT

 **Efficiency Of Using Binary Gene Expression Data in Lung Cancer Subgrouping** 

- Developed and benchmarked six ML models (SVM, Random Forest, K-NN, Logistic Regression, Naive-Bayes, Decision Tree) on the GSE135304 dataset. Applied GMM Binarization and feature selection method (Mutual Information).

PROJECTS

 **Computer Lab-2 Booking - Web application** 

- Web application for managing laboratory resources, lab bookings, and schedules within a university. It aims to streamline administrative tasks, enhance communication between staff and students, and improve overall efficiency in laboratory operations.

Technologies: React | Node.js | Spring Boot | Azure | MYSQL | Postman

 **Cloud Native Monitoring Application on Kubernetes** 

- Developed a Python Flask monitoring application, containerized with Docker, and deployed on AWS EKS using Kubernetes. Managed Docker images, ECR, deployments, and services for real-time monitoring.

Technologies: Python | Docker | Kubernetes | Amazon ECR | Amazon EKS

 **Simple Game using Docker and Deploy to AWS** 

- Built the 2048 game using Docker, learning key concepts like creating a Dockerfile, building Docker images, and running containers. Deployed the application on AWS Elastic Beanstalk.

Technologies: Docker | AWS Elastic Beanstalk

Salon Appointment Booking System

- Built a microservices-based Salon Appointment Booking System using Spring Boot, React, and integrating Keycloak for secure authentication and RabbitMQ for inter-service communication.

Technologies: **Spring Boot | React | Keycloak | JWT | RabbitMQ | MySQL | Docker**

Ecommerce App

- Built a Node server from scratch, and developed a fully functional e-Commerce API integrated with MongoDB to manage products, users, and orders.

Technologies: **Node.js | Thunder Client | MongoDB**

SKILLS

Languages : Python, C++, JAVA, JavaScript, MATLAB, Bash

Libraries : OpenCV, NumPy, Matplotlib, Pandas, TensorFlow, Flask

Software Development : HTML, CSS, React, Spring Boot, Node.js

Database : SQL, MongoDB

OS : Linux, Unix, Windows

Developer Tools : Git (Version control), Jira, AWS, Docker

LANGUAGES

- **English:** Professional proficiency
- **Sinhala:** Elementary proficiency
- **Tamil:** Native proficiency

COMPETITIONS

- CodeStrom Hackathon, 2024 — FINALIST
- Predicta 1.0, 2024
- ACES Hackathon, 2024
- Devthon 1.0, 2024
- XTREAME ENCODE, 2024
- IEEEEXTREAM, 2023 & 2024

SOFT SKILLS & STRENGTHS












- Leadership
- Teamwork
- Problem Solving
- Excellent Communication
- Motivated
- Responsible
- Flexibility
- Critical Thinking

VOLUNTEERING

Webmaster (2023 - 2025)
IEEE Robotics Automation Society Student Chapter - University of Jaffna

Organizing committee (2021 - 2022)
Rotaract club, Faculty of Engineering - University of Jaffna

CERTIFICATIONS

-  WSO2 Micro Integrator Practitioner V4
-  WSO2 Identity Server Practitioner – V7.0
-  WSO2 API Manager Practitioner - V4
-  Introduction to DevOps
-  Network Basics
-  GitHub Actions
-  Foundations of User Experience (UX) Design
-  Python Basics for Data Science
-  Hands-on Introduction to Linux Commands and Shell Scripting
-  Introduction to Cybersecurity
-  Introduction to IoT and Digital Transformation

REFERENCES

Dr. Vidura Gamini Abhaya
Vice President - Solution Architecture & Field CTO
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