




Achintha Sandaruwan

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 Malabe, Colombo, Sri Lanka

SUMMARY

Aspiring DevOps engineer with a solid foundation in software development, cloud infrastructure, and CI/CD pipelines. Skilled in Python, Docker, and Git, with experience deploying applications using FastAPI and Heroku. Passionate about automation, infrastructure-as-code, and improving system reliability and scalability.





EDUCATION

- Horizon Campus Malabe** Colombo, LK
Bachelor of Science (Hons) in Information Technology *March 2021 – Present*

EXPERIENCE

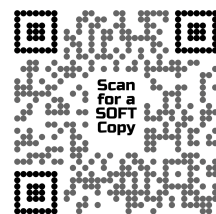
- Freelance Software Developer** Self-Employed, Remote
Java and SQL Project Development *June 2023 – August 2023*
 - Automation for Client Systems:**
Developed a Point of Sale System for retail, implementing automation for inventory updates and sales tracking. Optimized SQL queries for better performance in transaction-heavy environments.

PROJECTS

- Diabetes Prediction API Deployment (Python, FastAPI, Docker):**
Built and containerized a FastAPI-based machine learning model for diabetes prediction. Configured CI/CD workflows on GitHub and deployed to Heroku, integrating health monitoring endpoints. [GitHub](#) 
- Tourism Forecasting Model (Python, Docker):**
Containerized and deployed a Python forecasting model for predicting Sri Lankan tourism arrivals. Automated the process of retraining and versioning model outputs. [GitHub](#) 
- Blockchain-Based Document Verification Framework:**
Developed a tamper-proof system for document verification using blockchain, focusing on secure deployments and maintaining system integrity. This ongoing research involves continuous integration strategies for blockchain smart contracts.
- Image Classification WebApp (Streamlit, Docker):**
Created an interactive app using Streamlit and Docker, deployed via Heroku, allowing for flexible image classification with on-the-fly model updates. [GitHub](#) 
- Student Information API (PHP, MySQL):**
Developed a RESTful API for student data management, with deployment automation scripts and CI/CD integration for seamless updates. [GitHub](#) 

TECHNICAL SKILLS

- Programming Languages:** Python, JavaScript, SQL, Bash
- DevOps & Tools:** Docker, Git, AWS, Heroku, Linux, Nginx
- CI/CD:** GitHub Actions, Jenkins, Docker Compose
- Monitoring:** Prometheus, Grafana
- Databases:** MySQL, SQLite, PostgreSQL
- Other Technologies:** RESTful APIs, Blockchain, WebSockets



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