




# Achintha Sandaruwan

 [linkedin.com/in/dev-achintha](https://linkedin.com/in/dev-achintha)  
 [github.com/dev-achintha](https://github.com/dev-achintha)  
 [ska.sandaruwans@gmail.com](mailto:ska.sandaruwans@gmail.com)

 Mobile: +94-717-967-353  
 WhatsApp: +94-717-967-353  
 Malabe, Colombo, Sri Lanka

## SUMMARY

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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

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





## EXPERIENCE

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- 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

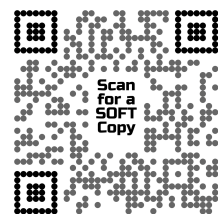
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- Diabetes Prediction API Deployment (Python, FastAPI, Docker):**  
Built and containerized a FastAPI-based machine learning model for diabetes prediction. Configured CI/CD workflows on GitHub and deployed to Heroku, integrating health monitoring endpoints. [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

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- 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



[me-qr.com/rop6Nymb](mailto:me-qr.com/rop6Nymb)