

SAVINDU THATHSARA

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savithathsara.me

PERSONAL PROFILE

Final year BSc Computing with Artificial Intelligence Technology student (Northumbria University London) with a full-stack development background and hands-on experience building AI-driven automation systems. Skilled in Python, FastAPI, and REST API integration, with practical exposure to machine learning (scikit-learn, TensorFlow/Keras), NLP pipelines, and workflow/process automation gained through both academic projects and live business systems. Currently automating stock and lead-sync workflows via the Autotrader Partner API and building an ML-powered platform (FarmSense AI) as a dissertation project. Seeking a graduate AI Automation Engineer role to design and build intelligent integration, workflow, and process-automation solutions.

PROFESSIONAL EXPERIENCE

IT Operations & Automation | Sales & Marketing Executive - Asahi Motors, London, UK

February 2026 – Present

- Leading development of an internal stock management system integrating with the Autotrader Partner API to automate stock listing updates and lead retrieval, replacing manual data entry across sales channels.
- Manage end-to-end sales lead workflows across Autotrader, CarGurus, and email, using a structured, repeatable reply process to maximise response speed and conversion.
- Run digital marketing and social media content operations, building an AI-assisted content pipeline (Gemini Veo 3, HeyGen, CapCut) to scale output for Instagram and TikTok.

Associate Lead Software Engineer - Enfection (Pvt) Ltd, Sri Lanka

March 2023 - December 2025

- Led front-end standards, mentoring and code reviews for a 4-6 member team, improved delivery quality through Git workflows and CI automation.
- Implemented accessibility, SEO and Core Web Vitals optimisation using component-level performance budgets, CDN and caching. Tech: React, Vue.js, JavaScript (ES6+), WooCommerce, GSAP, Tailwind.

Full Stack Developer - Owiro Holdings, Colombo, Sri Lanka

April 2022 - December 2022

- Managed DigitalOcean hosting and mail servers; automated deployments.
- Built Moodle LMS features and React tools; delivered SEO/speed-optimized WordPress sites.

Software Engineer (Intern) - HexaCode Solution, Sri Lanka

February 2020 - January 2021

- Developed custom WordPress themes and WooCommerce integrations; implemented AJAX features and payment gateways; collaborated via Git.

Volunteer Software Engineer - National Health Informatics Unit, Sri Lanka

January 2021 - January 2022

- Contributed to COVID-19 health informatics modules and data dashboards for public health reporting.

PROJECTS

FarmSense AI - Intelligent Crop Planning & Market Intelligence Platform (Dissertation Project)

Technologies: Python, FastAPI, scikit-learn, TensorFlow/Keras, HuggingFace, PostgreSQL, Docker, React (Vite)

- Building an end-to-end AI platform for smallholder farmers.

CryptoAgent - AI-Powered Trading Decision Engine

Technologies: Python, FastAPI, React/Tailwind, PostgreSQL, CCXT, Docker Compose

- Designed a two-layer automation system, a live market-data layer.

TCI NGO Website

Technologies: WordPress classic theme, GSAP/Scroll Trigger

- Delivered accessible, animation rich interface, configured Rank Math Pro SEO, deployed on AWS.

Buyrocell.com - E-Commerce Platform

Technologies: Laravel, PHP, MySQL, Bootstrap, JavaScript

- Developed a complete e-commerce platform for tiles, bath ware, and accessories with a custom product catalogue, order management, and responsive UI.

KEY SKILLS

- **AI / Machine Learning:** Python, scikit-learn, TensorFlow/Keras, HuggingFace, pandas, NLP (VADER, TextBlob), Random Forest, XGBoost, LSTM
- **Automation & Backend:** FastAPI, REST API integration & automation, Docker, Docker Compose, PostgreSQL
- **Frontend:** React, Vue.js, JavaScript (ES6+), HTML5, CSS3/SASS, Tailwind, Bootstrap, GSAP, Framer Motion
- **DevOps/Cloud:** Git/GitHub, AWS, DigitalOcean, Railway, CI/CD, Docker, MLOps basics, cPanel/aaPanel
- **Tools/Practices:** Google Colab, Figma, Illustrator, Jira, SEO, performance optimisation, accessibility

EDUCATION

BSc Computing with Artificial Intelligence Technology

University of Northumbria, London Campus

Current

Higher National Diploma in Information Technology (HNDIT)

Software Engineering focus

Sri Lanka Institute of Advanced Technological Education (SLIATE), Sri Lanka.

May 2019 - April 2022

REFEREES

Academic Referee

Mr. Thamara Waidyarathne

Lecturer at SLIATE, Galle

Galle, Sri Lanka

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Employer Referee

Dr. Aadil

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