

Thamaraikani Chandrasooden (Kani)

Global Talent Visa Holder

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Experienced **Full-Stack Software Developer and Data Analyst** with over five years of expertise in web application development. Proficient in Python, with extensive experience in frameworks such as **Flask and Django**, as well as **REST API** and a strong background in **REST API development, data mining, and machine learning**.

TECHNICAL SKILLS :

- **PROGRAMMING:** Python, Blockchain, Open AI, MCP, Java, Bash, Ajax, Mysql, SQL, SQLite 3, HTML, CSS, JavaScript, jQuery.
- **Framework:** Flask, Django, selenium, Rest-API, PyTorch, Scikit-learn, Keras, OpenC V, NLTK.
- **Tools:** Cursor, Power Bi, Tableau, Excel, Microsoft 365, Jira, Jenkins, PyCharm, Docker, Git, Aws, Azure, CI/CD Pipelines.
- **Soft Skills:** Leadership, Analytical Thinking, Adaptability, Strategic Problem-Solving.

EXPERIENCE:

Senior Software Engineer - Digital manufacturing | Queen university of Belfast

September 2025 to Present

- Developed full-stack web apps with **Python, Flask, and Restful-API**, boosting user engagement by **50%**.
- Integrated **GenAI prompt-driven workflows**, boosting user engagement by **50%**.
- Managed **Linux servers and APIs**, ensuring **99.5% uptime and optimizing** connectivity by **80%**.
- Strengthened **API reliability and GenAI security** through automated testing and integration with **OpenAI and MCP**.

Visiting Lecturer (Project Consultant) | University of Greenwich

September 2024 to Present

- Processed datasets exceeding **1 million records** using **Python and Pandas** with **99.9% accuracy**.
- Mentored **50+ students** on coding best practices and **agile teamwork**, improving project success rates by **25%**.
- Delivered **Tableau dashboards** to **academic stakeholders**, turning data into insights to enhanced **decision-making**.

Software Developer - Data Mining | University Of Greenwich

March 2023 to Present

- Led development of project-based labs on **full-stack web apps, data mining, and Ai integration blockchain**, increasing student **industry readiness** by **20%**.
- Enhanced network visualization **efficiency by 30%** through **machine learning techniques**.
- Automated **data collection with Selenium**, reducing **acquisition time by 40%**.

Data Analyst | University College London

July 2023 to November 2023

- Designed a **political network analysis tool**, increasing **stakeholder engagement** by **20%**.
- Conducted **network centrality analysis**, improving **insights** by **35%**.
- Built full-stack web applications using **Python, Django, and REST API**, boosting user engagement by **25%**.

System Engineer | Tata Consultancy Service

January 2022 to December 2022

Senior Software Developer | AI-Being Software Solution

November 2019 to January 2022

PROJECTS :

ETHPOP

[GitHub](#) | [Demo](#)

- Built a decentralized lottery gaming **DApp** on Ethereum using Solidity smart contracts.

SOLAR PANEL REAL TIME DATA MONITORING SYSTEM (*SolarAid*) :

[Demo](#)

- Led the development of a **web application to monitor 1,000 solar panels**.
- **Implemented** an alert system that reduced offline data downtime by **85%** through proactive fault detection.
- Optimized **API integrations**, decreasing **system latency by 40%** and enhancing **data processing speed**.

FOOD APPLICATION (*Curry App*) :

[GitHub](#) | [Demo](#) (*username and password: 1234*)

- Led development of a **full-stack food ordering app** using **Python and Django**, boosting order **efficiency by 35%**.
- Built key client-side features (home, cart, order tracking) that increased user **engagement by 40%**.
- Designed an **admin dashboard** improving management **efficiency by 30%**.
- Provided **leadership and management** to a dedicated team, achieving **100% on-time project delivery**.

Other webapps: Aibooks (HR Payroll app), AIMART (Ecommerce for SME), Hospital ERP, Industrial ERP, Geo tag (asset Marker)..etc

PUBLICATIONS / CERTIFICATION :

Publisher: **IEEE**

[Automated PE32 Threat Classification using Import Table and Deep Neural Networks](#)

Qualification: Associate Fellow - ([AFHEA award holder](#)) **Practical Teaching in HE Course –** [Certificate](#)

Secured first place at UK AI Agent Hackathon (**Imperial College London 1500 USDC**) for a sustainability-focused project (**ECOTRON**),

Winner of the Brunel University Hackathon: **Luffa Bot AI (500 USDC)**, a blockchain-integrated intelligent assistant.

EDUCATION :

University Of Greenwich | MSc Data Science – (Merit - Level 7)

January 2023 - January 2024

Big Data, Machine Learning, Data Visualization, Time Series, Blockchain for FinTech – *Certificate:* [Degree](#) / [Transcript](#).

Kalasalingam University | BTech Computer Science – (7.03 CGPA)

September 2015 - June 2019

Java, C, C++, Data Structures, Algorithms, and Database Management Systems – *Certificate:* [Degree](#) / [Transcript](#)