

Thamaraikani Chandrasooden (Kani)

Global Talent Visa Holder

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Experienced Full-Stack Software Developer and Data Analyst with over six 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](#)