

SHANUKA SAMARAKONE

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Profile

Recent BSc (Hons) Computer Science (AI) graduate (2:1) with hands-on experience in full-stack development, databases, and system design. Skilled in Python, Java, React, Flutter, Node.js and SQL, with project work spanning mobile apps, web platforms and AI-driven solutions. With a strong foundation in Agile practices and project management. Recognised for leadership, problem-solving, teamwork, adaptability and a can-do attitude.

Education

BSc (Hons) in Computer Science (Artificial Intelligence) | Brunel University London | United Kingdom 2023-2025

- Achieved **Upper Second-Class Honors (2:1)**

GCE Advanced Level | Trinity College Kandy | Sri Lanka 2019-2022

- English Literature – C, Information Communication Technology – C, Economics – C, English Language – A

Certificate of Higher Education in Computer Science (Distinction) | National Institute of Business Management | Kandy, Sri Lanka 2019-2019

Skills

Python, Java, JavaScript, SQL, HTML, CSS | React, Sprint Boot, Flutter, Node.js, Express | API Development, Postman, GitHub, IntelliJ IDEA, VS Code, Figma | K-Means, Data Classifications, Agile, Scrum, Project Management | Leadership, Teamwork, Problem Solving, Communication, Adaptability, Can-do Attitude

Project Work

Harmonies in AI (Final Year Project)

- Built a cross-platform music therapy app in Flutter (Dart) with Node.js/Express backend and MySQL, supporting iOS/Android.
- Implemented K-Means clustering to classify simulated patient data (heart rate, stress, anxiety) into three cluster classifications, enabling adaptive playlists.
- Applied Agile across five iterative sprints, incorporating UI/UX refinements, backend tests (Postman, unit tests) and end-to-end system testing.

Mini's World (2D Platformer Game)

- Developed a 2D game prototype demonstrating skills in game logic, object-oriented programming and UI/UX design using Unity. Applied iterative development cycles to refine mechanics and improve playability.

Quality Education Web App

- Designed and developed a web app addressing education access for immigrants/underprivileged youth using HTML, CSS, JavaScript, Postman, IntelliJ Idea, React, Spring Boot, MySQL.
- Delivered full-stack functionality with front-end and back-end integration, managing Agile sprint planning and documentation.

Brunel City Airport Management System

- Designed flight seat planning system in Java, with ER diagrams and UI wireframes to model processes. Produced and presented system documentation with clear, user-focused designs.

Work Experience

Retail Customer Service Manager | Ladbrokes / Corals, Uxbridge, UK Apr 2023 – Present

- Increased customer satisfaction by assisting with betting inquiries and product promotion, measured through repeat engagement and positive feedback, by delivering clear explanations of betting options and services.
- Reduced transaction errors and improved efficiency by accurately handling cash transactions, contributing to smoother branch operations.

CSR & Sustainable Business Assistant | Hatton National Bank PLC, Colombo, Sri Lanka Jul 2022 – Dec 2022

- Delivered the 2022 GHG emissions assessment by managing the Smart Carbon Calculator System and coordinating branch-level reporting.
- Helped secure two national awards (Women-Friendly Workplace & Best Corporate Citizen 2022) by preparing and presenting sustainability award applications.