

Thushalini Peranantham

Aspiring Data Scientist | IT Undergraduate Specializing in Data Science | Web Developer

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Personal Statement

Aspiring Data Scientist with a strong foundation in web development and a keen interest in transforming data into insights. Currently specializing in Data Science and actively upskilling in Python, SQL, and analytics tools. My hands-on experience in real-world web projects has built a solid technical base and creative problem-solving mindset. Eager to grow through a dynamic internship opportunity in a data-driven environment.

Education

BSc (Hons) Degree in Information Technology
Sri Lanka Institute of Information Technology (2023 May - present)
Expected Graduation: July 2027

GCE A/L: Combined Mathematics (C), Chemistry (C), Physics (S) in Jaffna
J/ Vembadi Girls' High School

Project

SmartParkPro – Automated Parking System Web Application
(2024)([GitHub](#))
Technologies: HTML5, CSS3, JavaScript, PHP, MySQL

Developed as part of the IWT (Information and Web Technology) module at SLIIT, SmartParkPro is a web-based application designed to automate and streamline parking space management. The system enables users to book parking slots in advance, view real-time slot availability, and automatically calculates charges based on parking duration. Administrators can manage slot availability, monitor usage, and generate revenue reports. The project showcases foundational skills in full-stack web development, user authentication, real-time data display, and database management.

EBooking – Bus Reservation System
(2024)([GitHub](#))
Technologies: JSP, Servlet, JDBC, SQL Server

Developed a dynamic web-based bus reservation system as part of a team project for the Software Development and Programming module at SLIIT. The application enables users to search, book, and manage bus tickets, while employees can manage routes, update seat availability, and monitor reservations. Implemented user authentication, real-time seat tracking, and dynamic database integration using JDBC with SQL Server.

Alpha IT Solutions – Smart Retail Order Management System

(2025)([GitHub](#))

Technologies: MongoDB, Express.js, React.js, Node.js (MERN Stack), HTML, CSS, Chart.js, GenAI (planned)

This smart order management system was developed as a final year academic project for Alpha IT Solutions, a computer shop offering new systems, parts, and advanced repairs. The system streamlines the entire ordering process—from cart to product handover—and supports both cash on delivery and in-store pickup options. It includes both customer-facing and admin-facing features. As the lead developer for the **Admin Order and Finance Management modules**, I implemented order tracking, editable delivery/pickup details, and AI-powered order support using **Generative AI**. We also integrated **analytical dashboards** using charting libraries to visualize sales and service data in real-time.

Key Features:

- Customer-side: Add to cart, track orders, and manage delivery/pickup info
- Admin-side: Manage orders, update statuses, and oversee financial details
- AI Integration: Order support chatbot powered by GenAI (in progress)
- Analytics: Real-time dashboards with sales and service appointment charts
- Persistent order state and smooth navigation experience

Role: Lead Developer – Admin Order & Finance Management, AI Integration, Analytics

CashCraft – Personal Finance Tracker (Android App)

(2025)([GitHub](#))

Developed using Kotlin and Android Studio

CashCraft is an Android-based personal finance tracker that helps users manage their daily income and expenses. Built with Kotlin, the app uses Shared Preferences and local storage for persistent data handling and ensures smooth user navigation through XML-based layouts and multiple Kotlin activities.

Key Features:

- Add, edit, and delete income/expense entries
- Persistent local data using Shared Preferences
- Intuitive navigation between screens using activities
- Organized UI design using XML layouts
- Lightweight and works fully offline

Designed for simplicity and privacy, CashCraft empowers users to track their spending habits and build better financial awareness.

Technical Skills

- **Programming Languages:** Python, JavaScript, Java, Kotlin, C, C++, PHP
- **Database:** MySQL, SQL Server, Mongo DB
- **Web Development & Frameworks:** HTML, CSS, JavaScript, ReactJS, Node.js, Express.js
- **Data Analytics Tools:** Excel, Matplotlib(Learning)
- **Version Control:** Git (GitHub)
- **Tools & Platforms:** Postman, Figma, VS Code, Android Studio, IntelliJ

Language

- English(Fluent)
- Tamil (Native)

References

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