

# SANDEWDI NOWANYA

## FULL-STACK DEVELOPER INTERN

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### PROFILE SUMMARY

Passionate and dedicated Computer Science student at the University of Westminster. Proficient in object-oriented programming (OOP), web development, database management systems, algorithms, and server-side programming. A motivated learner to gain hands-on experience in data analysis and web development through an internship opportunity. Strong team player with excellent communication, problem-solving, and adaptability skills, honed through collaborative projects.

### TECHNICAL SKILLS

- Programming Languages
  - Java, Python, JavaScript, PHP, SQL
- Backend Frameworks
  - Node.js, Spring Boot
- Databases
  - MySQL, Firebase, MongoDB
- APIs & Web Services
  - RESTful APIs
- Frontend Technologies
  - React.js, HTML, CSS
- Tools
  - Power BI, Tableau, GitHub

### PROJECTS

#### University Space Management System - SPACEFIX

*Oct 2024 - Mar 2025*

- Developed SPACEFIX to optimize university space utilization by addressing real-world problems with innovative features.
- Utilized React Vite.js for frontend development, ensuring an intuitive and responsive user interface.
- Leveraged Firebase Firestore for backend database management, ensuring seamless data storage and retrieval.
- Contribute to the overall project success through effective teamwork, communication, and problem-solving skills.

#### Real-Time Event Ticketing System

*Oct 2024 - Dec 2024*

- Developed a comprehensive ticket management system using React for the frontend and Spring Boot for the backend, ensuring a seamless user experience.
- Applied advanced multithreading and synchronization techniques in Java to handle concurrent ticket purchases efficiently.
- Integrated RESTful APIs for smooth communication between the frontend and backend services.

#### Product Store Web Application

*Feb 2025 - Mar 2025*

- Developed a full-stack e-commerce platform using the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Created responsive UI components and developed API endpoints for CRUD operations on products
- The backend consists of a RESTful API built with Express that connects to MongoDB for data storage

## Manufacturing Companies Revenue Insights

Feb 2025 - Mar 2025

- Data Analysis project by scraping revenue data of top manufacturing companies from Wikipedia using Pandas.
- Cleaned and structured raw data with MySQL to remove inconsistencies, standardized formats, and prepare it for analysis
- Designed an interactive Power BI dashboard to visualize revenue trends, profit margins, and geographic distribution, enabling actionable insights into industry leader and market dynamics.

## EDUCATION

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### BSC (HONS) COMPUTER SCIENCE

2023 - Present

#### University of Westminster

- Completed first year with an **average of 74%**
- Achieved an **average of 73.74%** in Second Year 1st Semester
- Modules Covered
  - Data Structures and Algorithms
  - Server-Side Web Development
  - Client-Server Architecture
  - Software Development Group Project
  - Object-Oriented-Programming
  - Software Development
  - Mathematics for Computing
  - Trends in Computer Science
  - Computer System Fundamental
  - Web Design and Development
  - Database Systems

### FOUNDATION DEGREE

Jan 2023 - Aug 2024

#### Informatics Institute of Technology

- Achieved a **Merit Pass**, demonstrating a solid academic foundation in IT fundamentals

## CERTIFICATIONS

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- Udemy Web Development Course
- Analyzing and Visualizing Data with Microsoft Power BI
- Hackerrank SQL
- Linkedin Courses

## ACHIEVEMENTS

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- Merit Pass in Foundation Certificate in Higher Education

## CO-CURRICULAR ACTIVITIES

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- Member of IEEE
- Participated CodesPrint 8
- Participated HULT PRIZE 2024-2025 OnCampus Program

## REFERENCES

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#### Theja Nadeeshani Perera

Senior Lecturer- Grade II | Industrial Placement Coordinator

BEng(SLIIT | UK) , MSc in IS(SLIIT)

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#### Oshadha Goonathilaka

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