

Kavitha W. Karunaratne

kavithakaru2@gmail.com | [+94 70 377 8775](tel:+94703778775)

LinkedIn: [kavitha-karunaratne](#) | GitHub: [KavithaKarunaratne](#) | Portfolio: [kavithakarunaratne-portfolio](#)

I am an undergraduate student at the University of Westminster seeking an employment opportunity in the IT field that will enable me to contribute my skills and experience while increasing my knowledge.

EDUCATION

University of Westminster

London, UK

(Affiliated with Informatics Institute of Technology)

Expected Graduation, Sep 2027

BEng (Hons) Software Engineering

- **Concentrations:** Software Development, Web Design and Development, Algorithms, Database Systems, Object-Oriented Programming
- **Related Coursework:** Website development, Python, Java, Full-stack project with Spring Boot and React.js

Informatics Institute of Technology

Sep 2022 - Sep 2023

Foundation Certificate in Higher Education

Nenasala Gampaha

Apr 2019 - Jun 2019

Diploma in ICT

PROJECTS

Skill2Skill - Skill Sharing Web Application (Ongoing)

Expected implementation Mar - 2025

- Description: A unique skill-sharing web application designed to facilitate non-monetary skill exchange among individuals worldwide.
- Technology Stack: PostgreSQL, NestJS, Python, React.js, Neo4j.
- Key Features: Skill-matching algorithms, real-time communication, user rating & feedback system, profile management.
- Role: Actively contributing to backend development using NestJS and PostgreSQL, implementing API endpoints, and ensuring seamless integration with React.js frontend.

Real-Time-Tix-Manager

Sep 2024

- Designed and implemented a full-stack system using Spring Boot and React.js, ensuring seamless communication through RESTful APIs.
- Applied advanced Object-Oriented Programming (OOP) concepts, including inheritance, polymorphism, and encapsulation.
- Developed a multi-threaded backend to handle concurrent ticket sales, using producer-consumer patterns for synchronization.
- Enhanced system performance with real-time updates, robust error handling, and logging.

Cambium

Apr 2024

Team Member

- Developed a dynamic and responsive e-commerce platform using HTML, CSS, and JavaScript.
- Implemented JavaScript event handlers and CSS animations to enhance user interaction.

Aero-Seat

Mar 2024

- Implemented features for searching tickets, displaying seat arrangements, and locating available seats using Java programming language.
- Utilized Java fundamentals, including classes, objects, arrays, file I/O, and exception handling.

Student-Grade-Tracker

Dec 2023

- Applied loops, conditionals, lists, functions, and exception handling to manage student records.
- Developed a histogram-based visualization for student progression data using graphics.py.

ACTIVITIES

IEEE Member

Mar 2024 - Present

IEEE Women in Engineering

Mar 2024 - Present

Embark Volunteer

Sep 2024 - Present

SKILLS

Programming: Java, Python, JavaScript, HTML/CSS, SQL, Postgres

Tools: IntelliJ, PyCharm, Git

Frameworks and Libraries: Spring Boot, React

I am currently learning: NestJS, PHP, Angular

Languages: English, Sinhala

Interests: Swimming, Reading books, Travelling

REFERENCES

Mr. Thilanga
Liyanage

Lecturer (Visiting)
Informatics Institute of Technology

No. 10, Trelawney Pl, Colombo 00400,
Sri Lanka
[+94 71 309 6373](tel:+94713096373)
thilanga.l@iit.ac.lk

Mr. Thilina
Dilanka Jayasuriya

Software Engineer at Docupath AI
Lecturer (Visiting)
Informatics Institute of Technology

No. 10, Trelawney Pl, Colombo 00400,
Sri Lanka
[+94 70 130 1688](tel:+94701301688)
thilinadjayasuriya@gmail.com