Kavitha W. Karunaratne

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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

- o **Concentrations:** Software Development, Web Design and Development, Algorithms, Database Systems, Object-Oriented Programming
- o **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 - Jun2019*
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 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 thilinadjayasuriya@gmail.com