

HETTIYADURA NETHASHA

LITHNULI FERNANDO



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Personal Portfolio: <https://nethashafernando.vercel.app/>

SUMMARY

Computer Science undergraduate with experience in Full-Stack (MERN), Java (JavaFX), and Python (Flask). Skilled in building AI-integrated applications with a focus on scalable, user-centric design and cross-platform development. Seeking a software engineering internship to apply my diverse technical skills in a collaborative environment.

EDUCATION

Bachelors of Computer Science with Honors

Sep 2024 - Present

Informatics Institute of Technology (IIT), affiliated with University of Westminster

School - Lyceum International School, Sri Lanka

Cambridge Ordinary Level Qualification (O - Levels)

June 2022

Edexcel Advanced Level Qualification (A- Levels)

June 2024

PROJECTS

CookMate – Smart Cooking Assistant (SDGP Project, Ongoing)

- Built a **personalized recipe recommendation system** using **TF-IDF and cosine similarity**.
- Integrated **OpenAI API** for dynamic recipe generation and enhanced cooking instructions.
- Developed backend connections using **Node.js and Flask**, recipe generation requests, and cooking sessions, ensuring smooth communication between frontend and AI services.

Artiverse – E-commerce Platform for Digital Art (Ongoing)

- Developed the **frontend using React (TypeScript)** based on Figma UI designs, focusing on responsive and user-friendly interfaces.
- Built the **backend using Node.js and Express**, implementing APIs and integrating with **MongoDB** for data management.
- Designed the platform UI in **Figma**, translating wireframes into functional components.

Real Estate Agent Web App (Frontend)

- Built a responsive **React** property listing interface with dynamic components and reusable UI elements.

JavaFX Theatre Booking App

- Developed a **desktop booking app** using **Java OOP** and **JavaFX**.
 - Implemented **seat selection and real-time availability display**, showing available and unavailable seats.
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Scam Detection Web App

- Developed a **Flask** web app using **HTML, CSS, JavaScript**, integrating **OpenAI API** to detect scam messages.
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TEAMWORK/LEADERSHIP EXPERIENCE AND ACHIEVEMENTS

Badminton Captain – Lyceum International School

2023

- Led and mentored the team, organizing training and match strategies to achieve success in school-level and national-level competitions.

Leo Club Committee Member – Informatics Institute of Technology

April 2025 - Present

- **Secretary**, Project Timeless Care: Managed documentation and team coordination.
- **Treasurer**, Multiple Projects (**Empower Her, Pink Pledge, 306 Connected, My Hub**): Managed budgets, secured sponsorships, financial records, and coordinated with guest speakers.
- Volunteered for the First ICC Women’s Blind Cricket World Cup: Assisted in event organization and operations.
- Actively involved in organizing and supporting other community and institute events.

Sports Achievements

- Awarded **School Colors** for Badminton – Lyceum International School (2024)
- Badminton: Qualified for Junior Nationals Badminton Championships, **Ranked 6** (Doubles)
- **Player of the Tournament**: Inter-House Badminton Championships – 3 consecutive years

Professional Memberships & Community Service

- **IR Member, OGT Front Office | AIESEC in IIT:** February 2025 – Present
 - Engaging in global leadership and soft skill development.
 - Managing incoming relations within the Outgoing Global Talent function.
 - **Member, IEEE (IIT):** Participated in SHE Spark and Sherlock tech events. 2024
 - **6S & Community Service (Lyceum):** Maintained and decorated classrooms, organized fundraisers, and participated in community clean-ups.
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SKILLS

Technical Skills

- **Programming Languages:** Python, Java, JavaScript, TypeScript
- **Web & Frameworks:** HTML, CSS, React, Node.js, Express.js, XML
- **Web Technologies & API:** Tailwind CSS, Bootstrap, RESTful APIs, JWT
- **Databases:** MongoDB, SQL
- **Testing & QA:** Pytest, Vitest
- **Tools & Version Control:** Git, GitHub, VS Code, Figma, Postman, Vercel

Soft Skills

- Problem-solving and logical thinking
 - Teamwork & collaboration
 - Leadership & project
 - Time-management
 - Communication
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REFEREES

Pavithra Ruwanpura

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