Thusani Vimalenthiran

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in *thusani-vimalenthiran*   🔗 *portfolio-web*

Profile

I am a dedicated Computer Science student with a strong foundation in software development, problem solving, and analysis. Passionate about new technologies, I enjoy projects that push me to apply my technical and logical skills. Eager to learn, adapt, and contribute to cutting-edge computing solutions.

Education

Reading Bachelor of Science Honours degree in Computer Science   *Jun 2021 - Oct 2025*
University of Jaffna, Sri Lanka.
- Current OGPA: 3.38/4.00 for (74 out of 120 credits)

G.C.E. Advanced Level (Mathematics Stream)   *May 2017 - Aug 2019*
T/ Sri Shanmuga Hindu Ladies College, Sri Lanka.
- Results B, 2C; Z score: 1.1251

Research and Projects

Microscopic Fungal Image Classification Using Image Processing and Feature Fusion   *Nov 2024 - Oct 2025*
- Research on microscopic fungal image classification using deep learning
- ***Technologies: Python, PyTorch, Google Colab***

Shared Drive with Roaming Profiles for centralised user data management   *Feb 2025 - Mar 2025*
- Setting up a Samba AD DC server for authentication and file sharing, ensuring compatibility with both Linux and Windows clients
- Using open-source tools for efficient system administration and network management
- ***Technologies: Samba AD DC, Linux, Windows, Open source tools***

Blood Bank Management System (BBMS) *github.com/bbmsweb* ↗   *Nov 2023 - Dec 2024*
- Team software project
- System for blood bank with data analysis to enhance efficiency and decision making
- ***Technologies: React.js, Node.js, Supabase, and Tailwind CSS***

Blood Donation Mobile App *github.com/bloodapp* ↗   *Nov 2023 - Dec 2024*
- Team software project
- A mobile app connecting donors with hospitals, enabling real-time donation requests with push notifications
- ***Technologies: React Native, Supabase, Tailwind CSS, Firebase***

Job Vacancy System *github.com/Jobwavelk* ↗   *Aug 2023*
- Team software project
- System for connecting students with part-time jobs
- ***Technologies: PHP, JavaScript, HTML, and CSS***

IoT-Based Password-Protected Door Lock System   *Aug 2023*
- Secure IoT-based door lock system using Arduino UNO
- Controls access using a servo motor and provides feedback through an LCD
- Programmed in *C++* for efficient operation and security

Languages

- **Tamil**: Native Language
- **English**: Professional Level

Skills

- **Programming**: Python, Java, JavaScript, C++
- **Web Development**: React, Next.js, PHP, HTML, CSS, Tailwind CSS
- **Databases**: MySQL, MongoDB
- **IDEs**: Visual Studio, MATLAB
- **Design Tools**: Adobe Photoshop, Figma

Certification

Centre for Open & Distance Learning (CODL) UoM   *2025*

- **Python for Beginners** (Credential ID: YnFBpLhrCQ)
- **Foundations of Project Management** (Credential ID: Q2981tsyaX)

Hacker Rank   *2025*

- **JavaScript (Basic)**: View Credential ↗
- **JavaScript (Intermediate)**: View Credential ↗
- **C# (Basic)**: View Credential ↗
- **Problem Solving (Basic)**: View Credential ↗

Extracurricular Activities

- Champion, Annual Inter Faculty Carrom Championship   *Jan 2023*

Professional Membership

- IEEE Student Member   *2023 - Present*
- IEEE Women in Engineering Member   *2023 - Present*
- IEEE Computational Intelligence Society Member   *2023 - Present*
- Student Member of the Computer Society, University of Jaffna   *2021 - Present*

Volunteering

- Designer, IEEE CIS, Student Branch Chapter University of Jaffna   *Jan 2024 - Feb 2025*
- 3rd Year Batch Representative, Computer Society, University of Jaffna   *Jan 2024 - Feb 2025*
- 2nd Year Batch Representative, Science Students' Union, University of Jaffna   *Nov 2022 - Nov 2023*

Attended Conferences & Workshops

- **Student Startups and Career Crafting,** organised by IEEE Computer Society Student Branch Chapter at the University of Jaffna   *08 Feb 2025*
- **Google exploreCSR Symposium,** organised by the Department of Computer Science, University of Jaffna   *19 Oct 2024*
- **Mastering Deep Learning Hands-on Workshop,** organised by IEEE Computer Society Student Branch Chapter at the University of Jaffna   *17 Aug 2024*
- **GeSSoMI-2024: Cybersecurity Bootcamp,** organised by the IEEE WIE Student Branch Affinity Group of the University of Jaffna   *17 Jun 2024*
- **Google exploreCSR Summer School on Machine Intelligence (GeSSoMI-2024),** organised by the Department of Computer Science, University of Jaffna, in collaboration with the University of Melbourne   *14 - 16 Jun 2024*
- **Sri Lanka Student Workshop on Computer Science (SL-SWCS23)**, organised by the Department of Computer Science, University of Jaffna   *09 Dec 2023*

Referees

Prof. A. Ramanan
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