

Premkumar Saarukesan

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in saarukesan-premkumar 🔄 SaarukesanP



Profile

Computer Science undergraduate with strong full-stack development skills, good problem-solving abilities, and quick at adapting to new technologies. Capable of developing efficient, scalable, and visually appealing digital solutions that enhance user experience and meet complex requirements.

Education

Bachelor of Science Honours in Computer Science (Reading) University of Jaffna, Sri Lanka CGPA: 3.21/4.00 (for 74 out of 120 credits)	Jun 2021 - Nov 2025
G.C.E. Advanced Level (Mathematics Stream) St/Michael's College, Batticaloa Z-Score - 1.1931	2019

Research & Projects

Surface Defect Detection and Segmentation using Semi-Supervised Learning • An individual research project focused on developing an automated defect detection system based on a deep learning model to enhance efficiency in real-world industrial applications. • Technologies: PyTorch	2025
Hostel Management System for Welfare Branch, University of Jaffna • A web-based platform for streamlining hostel management at the University of Jaffna (part of MyUoJ). It simplifies hostel registration, management, and monitoring for students and administrators, enhancing campus life through digital solutions. • Technologies: React.js, Node.js with Express.js, MySQL with Sequelize ORM • www.myuoj.jfn.ac.lk 🔗 www.mys.jfn.ac.lk 🔗	2024
Exam Registration System • A web-based system for streamlining exam registration at the Faculty of Science, University of Jaffna. It simplifies student registrations and administrative management, ensuring efficiency and accuracy in the exam process. • Technologies: PHP, MySQL, JavaScript, Tailwind CSS • github.com/RNViththagan/ERS-Web_Technologies 🔗	2023

Communication Skills

Tamil: Native

English: Professional Proficiency

Skills

Web Development: React.js, Node.js, Express.js, PHP

Programming: Java, Python, C++, JavaScript, Perl

Database Management: MySQL, MongoDB, Sequelize ORM

IDEs & Tools: Visual Studio, IntelliJ IDEA, MATLAB, Postman

Design & UI/UX Tools: Figma, Adobe Photoshop, Adobe Illustrator

Volunteering

Editor, [Computer Society](#), University of Jaffna

Jan 2024 – Feb 2025

Junior Editor, [Computer Society](#), University of Jaffna

Dec 2022 – Jan 2024

Graphic Designer, [OceanBiome](#)

Oct 2020 – Aug 2023

Extra-Curricular Activity

Champion, Provincial level Chess competition (Team), Eastern Province

2013, 2014

Participations

Workshop on Mastering Deep Learning with Hands-on 2024

17 Aug 2024

IEEE Computer Society Student Branch Chapter, University of Jaffna

GeSSoMI-2024: Cybersecurity Bootcamp

17 Jun 2024

IEEE WIE Student Branch Affinity Group, University of Jaffna

Google exploreCSR Summer School on Machine Intelligence (GeSSoMI)

14-16 Jun 2024

Department of Computer Science,

University of Jaffna, in collaboration with the University of Melbourne

Sri Lanka Student Workshop on Computer Science (SL-SWCS'23)

9 Dec 2023

Department of Computer Science, University of Jaffna

Research Methods in Computer Science: Theory and Ethics

25 Nov 2023

Department of Computer Science,

University of Jaffna, in collaboration with the University of Melbourne

Referees

Dr. S. Mahesan

Former Senior Lecturer

Department of Computer Science,
University of Jaffna.

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Dr. E. Y. A. Charles

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