

Nirusan Hariharan

Software Engineer

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Computer Science student with industrial experience in software development, spanning frontend, backend, full-stack, and machine learning projects. Skilled in building scalable applications and solving real world problems through clean and efficient algorithms. Eager to contribute to impactful projects while continuously expanding technical and collaborative skills.

Experience

Software Engineer Intern - Vestoria

2023 - 2024

Spring Boot | MySQL | API Testing | React.js | Vue.js | Docker | MVC

- Contributed to the Reporting API Project, which provides session and partner data for external organisations via secure API access.
- Played a key role in Autonoe, a middleware solution facilitating asynchronous message-based integration between PIMS vendors and Vetstoria.
- Developed features and enhancements in an internal UI/UX component framework to ensure design consistency across products.
- Conducted load testing using tools like JMeter/Gatling (if applicable) and implemented critical security hardening measures across backend microservices.

Full Stack Developer - Izatic

2023 - 2024

WordPress | MySQL | HTML | CSS

- Developed dynamic e-commerce and portfolio websites using WordPress, HTML, CSS, and MySQL, leading to improved user engagement and higher online conversion rates.
- Implemented responsive design principles, ensuring optimal user experiences across desktop, tablet, and mobile devices.

Founder - Immserive Smile Plus

2022 - 2025

Unity | Unreal Engine | Virtual Reality | React.js | Firebase |

- Founded and lead the development of an adaptive VR-based mental wellness platform designed to reduce psychological pain through immersive therapy.
- Built real-time interactive applications that integrate IoT devices (smart stress balls, heartbeat sensors, neuron kits) to detect and respond to users' psychological states with tailored VR scenarios.

Education

BSc (Hons) Computer Science

2021 - Present

- Informatics Institute of Technology affiliated with University of Westminster

Foundation in Higher Education

2020 - 2021

- Distinction Pass
- Informatics Institute of Technology affiliated with University of Westminster

GCE Ordinary Level





2009 - 2019

- Results : 4A, 4B, C
- Colombo Hindu College

Skills

Programing Languages	Back End	Front End	Database	Languages
<ul style="list-style-type: none">• Java• Python• JavaScript• R	<ul style="list-style-type: none">• Spring Boot• Node.js• Flask• Fast API	<ul style="list-style-type: none">• React.js• Angular.js• Vue.js	<ul style="list-style-type: none">• MySQL• MongoDB• Firebase	<ul style="list-style-type: none">• English• Tamil

Projects

- **QuanNetDetect - Flask | PennyLane | Qiskit | React.js | MongoDB**  2025
 - A system focused on detecting encrypted malicious TLS traffic using quantum deep learning models for enhanced accuracy, efficiency, and interpretability.
- **EmploySync Platform - Node.js | Angular.js | MongoDB | Docker | Figma**  2025
 - Launched a healthcare e-procurement platform with vendor, customer, and admin portals, now utilized by 50+ healthcare professionals across supply chain and procurement teams.
- **CarNexus Platform - Flask | React.js | Tailwindcss | MongoDB**  2024
 - A smart vehicle service booking platform integrating machine learning for optimized scheduling, featuring customer and service owner roles, seamless bookings, and exclusive member benefits.
- **MedEase Procurement System - Flask | React.js | MongoDB | Swagger | Keras | Tensorflow**  2023
 - A web based application for healthcare e-procurement with vendor, customer, and admin roles, streamlining supply requests, orders, and stock management.

Achievements

- **Haxmas Hackathon by RACITT** 2023
 - Built ElderGuardian, a VR live conferencing MVP with motion detection to improve awareness and communication between elderly users and their families. - 1st runners up
- **IEEE Innovation Nation Sri Lanka** 2023
 - IEEE INSL awarded first runner-up to Immersive Smile Plus, a virtual reality application implemented to treat a patient's psychological suffering. - 1st runners up
- **HACKX 7.0 by University of Kelaniya** 2022
 - Selected as a Grand Finalist at HACKX 7.0 (2022) for developing a Virtual Reality application aimed at supporting individuals with psychological pain. - Finalist
- **Cutting Edge 2022 by IIT** 2022
 - Secured second runner-up at IIT Cutting Edge 2022 for OffWorld, a project focused on full-stack development and e-commerce trading systems. - 2nd runners up

Extracurricular Activities

Clubs and Societies

- PR member - Rotaract Club of IIT (2020 - 2022)
- Committee member - Interact of Colombo Hindu College (2018 -2019)

Singing

- Stagecraft group singing finalist - IIT (2024).
- Solo Carnatic music winner - Colombo Hindu College(2018)

References

Mr. A. S. Anzaf Ahamed Software Engineer Petvisor No. 304, 1a Union Pl, Colombo 02 Tel : +94-0762634411 (Mobile)	Mr. Guhanathan Poravi Senior Lecturer Grade I Informatics Institute of Technology No. 57, Ramakrishna Road, Colombo 06 Tel: +94-0775913330 (Mobile)
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