Nimtharu Jayasekara

Software Engineer Intern

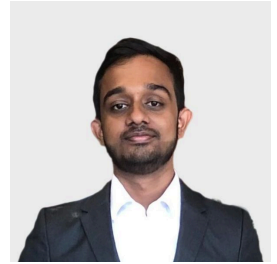✉ sagn.jayasekara@gmail.com 📞 +94 (77) 745 4043

📍 Colombo, Sri Lanka in Nimtharu Jayasekara

○ gnjayasekara 🔗 Portfolio

Profile

I am a passionate learner, eager to explore new technologies and expand my knowledge in full-stack development. I am proficient in frameworks like MERN and Spring Boot with hands-on experience in building AI-powered web systems. I love to work in collaborative, dynamic team environments, working alongside individuals with diverse skill sets through volunteering in IEEE and various other societies. My true passion lies in solving real-world challenges by developing innovative information systems.

Education

B.Sc. (Hons) in Computing and Information Systems 2022 – present
Sabaragamuwa University of Sri Lanka
Current GPA - 3.55

G.C.E Advanced Level 2020
Ananda College Colombo
Physical Science Stream

Technical Skills

Programming Languages
Python, Java, JavaScript, HTML, CSS, Dart, TypeScript

Databases
MySQL, Firebase Firestore, MongoDB, PostgreSQL

Frameworks and Libraries
ReactJS, Express.js, Spring, Node.js, Next.js, Tensorflow, Scikit-learn, Numpy, OpenCV

Technologies and Tools
Git, Postman, JUnit, Selenium, Firebase, Trello, Jira, Figma

Soft Skills

Teamwork, Critical Thinking, Leadership, Problem-Solving, Communication, Adaptability, Project Management, Interpersonal Skills, Presentation Skills, Event Organizing.

Projects

AI-based Stress Detection System 🔗
Group Project
This stress detection system is developed for universities to identify vulnerable individuals in distress and for student counsellors to intervene.
My contribution:
- Built the stress detection module using Tensorflow.
- Connected the AI models with the front end using Python Flask.

Technologies: **React, Node.js, TensorFlow, OpenCV, Python Flask, Firebase**

Library Management System ✎

A complete Library Management System with an admin dashboard, featuring full CRUD functionality. The system includes thoroughly tested features, validated using testing frameworks with comprehensive test cases.
My contribution:
- Develop backend using Java and Spring with CRUD functionality using MVC architecture
- Conduct testing using JUnit and Mockito.

Technologies: **React, Springboot, PostgreSQL, JUnit, Mockito, Selenium**

Medixmart Pharmacy Website (Ongoing) ✎
Community Project
This is a website being developed for Medixmart pharmacy in Belihuloya. The owner wanted a website to increase the visibility of his pharmacy among university students and tourists.

Technologies: **React, Node.js, MySQL, Express.js, Figma**

Smart Transport Management System (Ongoing) ✎
Smart Transport Management System (STMS) to integrate various transport modes, optimize traffic flow, and offer seamless connectivity for residents and visitors. Features include real-time transport tracking and traffic optimization. A database to store information and a RESTful API for communication.

Technologies: **React, Node.js, MongoDB, Python Flask, Django**

Space Ticketing System ✎
A mobile app for booking interplanetary space journeys, designed to simplify the process of selecting destinations and spaceships. Key features include an integrated payment system and a user-friendly interface for managing bookings.
My contribution:
- Developed the front end using Flutter.

Technologies: **Flutter, Firebase, Figma**

Volunteering

IEEE Student Branch of SUSL May 2024 – present
Industry Relations Coordinator (IEEE Sri Lanka Section)

IEEE Student Branch of SUSL Aug 2023 – Sep 2024
Event Cordinator

Society of Computer Sciences Sep 2022 – present
Active Member

Certificates

- IEEEXTREME 17.0 - 2023 ✎
- Finalists Openhack 2.0 | Designathon ✎

References

Dr. UAP Ishanka, *Head of the Department, Department of Data Science,*
Faculty of Computing, Sabaragamuwa University of Sri Lanka
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Mrs. KGL Chathumini, *Lecturer (Prob.), Department of Computing and Information Systems,*
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