

SUVASTHIKAN NITHIYANANTHAM

SOFTWARE ENGINEER

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Colombo

SUMMARY

Highly motivated undergraduate with a strong foundation in programming and problem solving, seeking a challenging Software Engineering position where I can utilize my technical skills to develop innovative solutions and contribute to the growth of a dynamic team.

WORK EXPERIENCE

Software Engineer Intern - Full Stack, Techorin (Pvt.) Ltd

2024/02 - 2024/08

- Developed and enhanced features for Type, users and vendors management modules using React.js and Material-UI and Collaborated with the design team to align UI/UX with project standards.
- Designed and implemented reusable components and responsive layouts for seamless user experiences.
- Conducted testing, debugging, and presented demos to gather feedback and refine project features.

Technologies- React | Node.js | MySQL

EDUCATION

University of Moratuwa, Faculty of Information Technology

2021-2025

B. Sc. (Hons) in Information Technology

Main Courses -

- Programming fundamentals Web technologies
- Object Oriented Programming with Java
- Software engineering methods
- Data structures and algorithms
- Enterprise application development with Java
- Fundamentals of databases, database design and advanced database management systems

G.C.E Advanced Level Examination

- 2019

Jaffna Central College Combined Maths-A | Chemistry-A | Physics-B

SKILLS

- Programming Languages:** C, TypeScript, JavaScript
- Web Development:** HTML, CSS
- Framework & Libraries:** React.js, Material UI, Node.js, Express.js
- Databases:** MySQL, SQL Server, MongoDB
- Version Control:** Git, GitHub
- Data Analysis Tools:** RapidMiner, Jupiter Notebook, Google Colab
- Design & Edit:** Canva, Figma, Adobe Photoshop, Gimp
- Tools & Platforms:** Cucumber, Selenium, TestNG, Postman, OpenCV
- Languages:** English (Fluent), Tamil (Native), Sinhala(intermediate)
- Other Skills:** Project Management, Leadership, Communication, Risk Management, Teamwork, Debugging, Writing Test Cases, Creative Thinking

PROJECTS

AI-Driven Personalized Financial Planning and Investment Strategy Using Big Data and LLMs. | Level -4

(Ongoing Research Project)

The project focuses on developing an AI-driven financial planning system that provides personalized, real-time investment plans and financial guidance. By utilizing Big Data, Large Language Models (LLMs), and advanced machine learning techniques, the system helps individuals make informed financial decisions tailored to their unique needs, risk tolerance, and changing market conditions. A key part of the project is the **AI-Driven High-Precision Expense Prediction for smart budgeting**, ensuring optimized financial planning and improved decision-making.

UI and API Testing Automation | Level -4

Tested GET, POST, PUT, and DELETE queries to verify API functioning, making sure that response times, status codes, and data accuracy were all right. To improve test coverage and reliability, a web application's end-to-end and API tests were automated with Selenium, TestNG, and Cucumber.

Supermarket Management System | Level -3

The supermarket management system, employing Spring Boot technology, enhances customer shopping with user-friendly features. With a focus on effectiveness, security, and user satisfaction, this report examines its architecture, design, and implementation.

Technologies: Spring boot, MySQL, MongoDB

Intern Management System | Level -2

Develop a digital platform for a technological solution which will be designed to help companies to find the intern pool. Also, interns can find the right opportunities available in companies.

Technologies: React Js, Spring boot, GraphQL.

French Fry Machine | Level -1

Developed a system to automate the process of French fry from potato which reduces the cost exponentially.

Technologies: C, Atmega, Proteous, Atmel Studio

INTERESTS

- Application Development
- Problem solving
- Traveling
- Volleyball
- Cricket
- M-Gaming

ACTIVITIES

Member - Student Parliament at School
Member - IEEE at university of Moratuwa Student branch
Participated in Code Rush IEEE at University of Moratuwa
Member - Tamil Literary Association, Moratuwa

REFEREES

DR. SAMINDA PREMARATNE

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