

# VITHUSHAN KANESAMOORTHY

## Software Engineer Intern

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### SUMMARY

Motivated and passionate IT undergraduate, actively seeking a **Software Engineer Intern** to apply my problem-solving skills, full-stack development knowledge, and eagerness to learn in delivering efficient, real-world software solutions.




### SKILLS

- **Programming Languages:** : Java, Python, C, Dart, JavaScript
- **Web Development:** ReactJs, Django, Spring Boot, Tailwind CSS
- **Mobile Development:** Flutter, Firebase
- **Databases:** MySQL, MSSQL, PostgreSQL
- **Cloud & DevOps:** Cloudinary, Microsoft Azure, AWS
- **Tools & Platforms:** Git, GitHub, Docker, Postman, Figma
- **Soft Skills:** Team Work, Problem Solving, Communication, Adaptability

### EDUCATION

- **Bachelor of Science Honours in Information Technology** May 2023 - Present  
University of Moratuwa **CGPA: 3.57/4.00**
- **Secondary Education(G.C.E Advanced Level)** Jan 2011 - Aug 2019  
Jaffna Hindu College **Physical Science: 2AB**

### PROJECTS

- **Automobile Service Management System** (Academic Project) Ongoing  
**Microservices-based** system with modules for bookings, job assignments, parts inventory, billing, and live in-shop tracking, including role-based dashboards. [  [Github](#) ]
  - Implemented **admin features** including employee creation, branch creation, inventory management, and predefined service setup.
  - Developed a **chatbot** to assist users by answering questions and guiding them about company services.**Tools & Technologies:** *NextJs, Django, MySQL, RabbitMQ, MongoDB, Spring Boot, .NET, Node Js*
- **Orix: Ecommerce Mobile Application** Jul 2025 - Sep 2025  
An responsive application where users can browse products by category, add items to cart, checkout securely, and manage personal details with Firebase backend. [  [Github](#) ]
  - Built a cross-platform mobile app using **Flutter** with **GetX** for efficient state management.
  - Integrated **Firebase** Authentication and **Firestore** for secure user login, product storage, and real-time data handling.**Tools & Technologies:** *Flutter, Getx, Firebase*
- **HABITRO: AI-Powered Habit Tracking App** (Academic project) Dec 2024 – Jun 2025  
An application where users can track habits through **AI-powered habit suggestions**, [  [Github](#) | [Demo](#) ] offering gamification features, reminders, leaderboards.
  - Integrated a real-time, end-to-end encrypted chat system using **Django Channels** and **WebSockets**.
  - Developed gamification features including **AI-generated quizzes, streaks, and achievements**
  - Implemented push notifications using **Firebase Cloud Messaging (FCM)** for scheduled notifications
  - Hosted and managed the MySQL database on **Azure RDS**, ensuring secure and scalable cloud-based data storage.**Tools & Technologies:** *Flutter, Django, Firebase, Django Channels, WebSockets, MySQL, Cloudinary*

- **Ecommerce CRUD Application** (Individual)  
An ecommerce web application demonstrating CRUD operations, allowing users to manage and interact with products seamlessly.
    - Developed **RESTful APIs** to perform Create, Read, Update, and Delete operations, ensuring smooth and efficient data management.
    - Built the backend using the **MVC pattern** with clear separation of concerns (Controller, Entity, Repository) and validated API functionality using **Postman** for reliability.

*Tools & Technologies: ReactJs, Spring Boot, H2*


- **Ex Studios.: Movie Ticket Booking Platform** (Group Project)  
A responsive web application where users can view and book tickets.
    - Designed, user-friendly web pages for movie selection, seat booking, and schedule viewing
    - Collaborated with team members to ensure consistency in layout, styling, and functionality across the platform.

*Tools & Technologies: HTML, CSS, JavaScript*



- **Automated Juice Maker: Arduino-Base Smart Hardware Project**  
An IoT-enabled prototype designed to automate juice preparation by combining liquid dispensing, sensor-based measurement, and motor-driven mixing.
    - Designed the physical structure and sensor layout for an automated juice dispensing machine.
    - Programmed microcontroller logic using **C/C++** to control sensor input, mixing cycles, and LED status indicators.

*Tools & Technologies: Arduino, C/C++, Ultrasonic & IR Sensors, Servo Motor, Stepper Motor*


Sep 2024

[  Github ]

May 2024

[  Github |  Web ]

Dec 2023 - May 2024

[  Github ]

ACHIEVEMENTS & CERTIFICATIONS

- Foundations of Spring Boot & MVC Architecture
  - AWS Cloud Technical Essentials
  - Cloud Computing Fundamentals
  - FIT- CodeRush (2024)
  - AlgoXplore 1.0 Hackathon

Coursera

Coursera

IBM SkillsBuild

INTECS – UOM

NSBM Green University

REFERENCES

<b>Adshayani Pirapaharan</b> Lecturer, Department of IT, University of Moratuwa. Email: padshayani@uom.lk	<b>Sulegjan S.</b> Software Engineer, Pacifickode (Pvt) Ltd. Email: Sulegjant0201@gmail.com
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