

# VITHUSHAN KANESAMOORTHY

## Software Engineer Intern

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### PROFILE

- Passionate and motivated IT undergraduate, with a strong foundation in programming, data structures, object-oriented programming, and software development.
- Continuously improving skills in developing and deploying full-stack mobile and web applications using modern tools and frameworks.
- Seeking a Software Engineer Intern role to apply and expand technical expertise in real-world, team-based projects.

### TECHNICAL SKILLS

- **Programming Languages:** Java, Python; Familiar with C, Dart, JavaScript
- **Web Development:** HTML, CSS, Django
- **Mobile Development:** Flutter
- **Backend & APIs:** Django REST Framework, RESTful API integration
- **Databases:** MySQL; Familiar with MSSQL, PostgreSQL
- **Cloud & DevOps:** Cloudinary, Microsoft Azure, Firebase
- **Tools & Platforms:** Git, GitHub, VS Code, Postman, Figma

### PROJECTS

**HABITRO - AI-Powered Habit Tracking App with Gamification** (Academic Project) Dec 2024 - Jun 2025  
| [GitHub Repository](#) |

**Technologies:** Flutter, Django, Firebase, Django Channels, WebSockets, MySQL, Figma, GitHub

- Integrated a real-time, end-to-end encrypted chat system using Django Channels and **WebSockets** for secure messaging.
- Developed **gamification features** including AI-generated quizzes, streaks, and achievements to increase user engagement.
- Implemented push notifications using **Firebase Cloud Messaging (FCM)** for scheduled notifications.
- Managed GitHub repositories and coordinated version control across development branches in a team environment.
- Used **Cloudinary** for image storage and optimized deployment using **Microsoft Azure** with secure configurations.

**EX Studios. - Online Movie Ticket Booking Platform** (First-Year Group Project) May 2024  
| [GitHub Repository](#) | [View Website](#) |

**Technologies:** HTML, CSS, JavaScript

- Designed responsive, 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.

**Automated Juice Maker - Arduino-Based Smart Hardware Project** (First-Year Hardware Project) Dec 2023 - May 2024

**Technologies:** Arduino, C/C++, Ultrasonic & IR Sensors, Breadboard Prototyping

- 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.

### EDUCATION

**University of Moratuwa** May 2023 - Present

Bachelor of Science Honours in Information Technology

- **CGPA: 3.5** (Out of 4.0)

**Jaffna Hindu College** Jan 2011 – Aug 2019

G.C.E Advanced Level (Physical Science Stream)

- Combined maths- A | Chemistry- A | Physics- B

### ACHIEVEMENTS & CERTIFICATIONS

- **FIT- CodeRush (2024)** - Organized by INTECS – University of Moratuwa (Participation)
- **AlgoXplore 1.0** – Organized by NSBM Green University (Participation)
- **Cloud Computing Fundamentals** - IBM SkillsBuild
- **GfG160** - GeeksforGeeks

### REFERENCES

**Adshayani Pirapaharan**

Lecturer, Department of IT,  
University of Moratuwa.

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