

# Kaveesh Gunasekara

Intern-Software Engineer | +94 764951441 | [kaveeshdil@gmail.com](mailto:kaveeshdil@gmail.com) | [LinkedIn](#) | [Github](#)

## SUMMARY

Motivated Computer Science Undergraduate (BSc Hons, University of Plymouth) with hands-on experience in software, web, and mobile development. Proficient in Python, Java, C#, Dart, Flutter, React, MySQL, and MongoDB. Skilled in UI/UX design (Figma), Git, and CI/CD tools. Strong team player with leadership and problem-solving abilities.

## EDUCATION

BSc (Hons). Computer Science

University Of Plymouth, UK (Offered by NSBM Green University, Sri Lanka)

## PROJECTS

### Automatic Infographic Generation System Using Natural Language Content Related to the Agriculture Sector | (Final Year Project)

- Developed a Python-based application that extracts key information from Sinhala-language agricultural texts and generates dynamic infographics automatically.
- Implemented natural language processing using SinhalaBERTo, SpaCy, and regular expressions to identify relevant entities and metrics.
- Designed the interface using Tkinter and visualized data with Matplotlib, enabling intuitive and informative outputs for end-users.
- Aimed to improve agricultural communication by converting complex textual content into simple, visually engaging summaries.
- Focused on real-world usability and local language processing, addressing the gap in AI tools for Sri Lankan Agriculture.

### “HAYROO” E-Commerce Website- Full Stack Development | (Final Year Group Project)

Built a responsive MERN stack e-commerce site with product browsing, cart, order tracking, secure payments, and an admin panel for managing products, orders, and users.

- Designed and developed a full-stack e-commerce platform using the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Implemented secure user authentication with JWT and role-based access management.
- Integrated CI/CD pipelines using GitHub Actions for automated testing and deployment.

### Accommodation Management System | (Final Year Group Project)

- Developed a web application to streamline accommodation management in educational institutions, focusing on user authentication module development, database schema design, and unit testing using MySQL, PHP, HTML, CSS, JavaScript, and Tailwind CSS to enhance user security and ensure efficient room assignment and request processing.

### **Library Management System Mobile Application | (Second Year project.)**

- Developed a mobile application to manage library resources, handling front-end development of Sign Up and Login pages and full backend implementation using Flutter, Dart, and Firebase.

### **“ UniCabs HUB” Mobile Application | (Second Year Group Project)**

- Developed a ride-sharing mobile app to promote energy saving and community building, handling home page frontend and full backend using Flutter, Dart, and Firebase.

### **Hostel Cafeteria Management System ( The Foodie Zone) | (First Year Group Project: Object Oriented Programming with C#)**

- Built an automated pre-order system to enhance student dining and streamline inventory management for admins, focusing on cart page frontend and database development using CSharp and MySQL.

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## **SKILLS**

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### **Technical Skills**

- Programming Languages: C | Java | CSharp | Python | Dart
- Frameworks: Flutter | .NET
- CI/CD Implementation
- Web Development: PHP | CSS | Bootstrap | React | HTML | JavaScript
- Databases: MongoDB | MySQL
- Version Control Systems: Git
- IDE's: Visual Studio Code | IntelliJ IDEA | PyCharm | Android Studio
- UI / UX Design: Figma

### **Personal Skills**

- Problem- Solving | Teamwork | Adaptability | Management | Leadership

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## **EXTRA ACTIVITIES**

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- IEEE Student branch NSBM: Duothon 4.0 OC Member | Xtreme 18.0 Logistic Team Lead
- Member Of Volunteering and Buddhist Club, NSBM

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## **R E F E R E E S**

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- Dr.Mohomed Shafraz | Senior Lecturer of NSBM Green University | +94115446012 | [Email](#)
- Ms.Nethmi Weerasingha | Lecturer of NSBM Green University | +94712717158 | [Email](#)