



BUMUTHU CHAMOD

Software Engineer Intern

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[Bumuthu Abeygunawardhana](#)



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ABOUT ME

Third-year IT undergraduate with a strong foundation in programming, databases, and web development. Passionate about exploring emerging technologies and applying technical knowledge to real-world challenges. Recognized for problem-solving, creativity, and teamwork, and eager to gain hands-on experience as a Software Engineering intern.

EDUCATION

University Of Moratuwa - Faculty Of Information Technology

Bachelor of Science (Hons) in Information Technology

2023 - Present

H/Ruhunu Vijayaba College

Completed G.C.E Advanced Level in 2021 (Science Stream)

2007 - 2021

- Chemistry - A, Physics - B, Biology - B

Completed G.C.E Ordinary Level in 2017

- 7A's, 2B (IT - A)

TECHNICAL SKILLS

- **Programming Languages:** Java , Python , C , C++
- **Web Technologies & Frameworks :** React JS, React Native, Next JS, Node JS, Express JS, Javascript, Typescript, HTML, CSS, Tailwind CSS
- **DataBases:** MongoDB, MySQL, PostgreSQL
- **UI/UX Design:** figma
- **Version Control:** Git (GitHub)
- **IDEs:** VS Code, Code Blocks, IntelliJ, Arduino IDE
- **Other tools:** Blender, Canva, Lucidchart

SOCIAL SKILLS

- Leadership(1st year project leader)
- Event handling
- Coordinating

PROJECTS

Hybrid Workplace Management System Collaborated with **Wiley Global Technology** (2024-2025)

2nd-year software project (team)

Description:

- Developed a smart workplace management platform enabling employees to reserve seats and parking spaces in real time, with interactive dashboards and an admin portal for efficient monitoring and control.

My Role: Solution Designer, ui/ux Designer, Full-Stack Developer

Responsibilities:

- Develop all the actions related to vehicle parking reservations from both a user and an admin perspective.
- Built vehicle parking booking module with real-time availability (using web sockets).
- Developed a parking history page allowing users to view, edit (future bookings), and delete reservations.
- Created an admin parking management panel with advanced filtering, search, slot addition, and deletion features.
- Designed and implemented supporting pages including About Us and other UI components.

Technologies Used: ReactJS, NodeJS+Express, MongoDB

GitHub Repository Links: [Backend](#) [frontend](#)

Bayhill Renters-SL (Ongoing)

Client Project (Individual)

Description:

- Mobile app for users and Web app for admin which manages vehicles for Bayhill Renters-SL, Includes real-time vehicle availability, secure bookings, and payment integration.

Responsibilities:

- Conducted requirement gathering and designed the solution architecture aligned with business needs.
- Designed UI/UX
- Integrated a payment gateway to handle upfront booking payments securely.
- Implemented backend services for users and admins with real-time updates on vehicle availability.
- Developed admin features for managing vehicle listings, rental details, and customer bookings.
- Built user-side features for browsing, filtering, and booking vehicles.

Technologies Used: React, React Native, Expo, Typescript, NodeJS + Express, MongoDB

GitHub Repository Links: [Backend](#) [Frontend- MobileApp](#) [WebApp](#)

Power Measuring Device System (2023-2024)

1 st year hardware project (team)

Description:

- Tackled the common problem of consumers lacking awareness about their electricity consumption. The system helps users monitor and optimize usage by offering detailed insights into the power consumption of devices.

My Role: Team Leader, IoT Developer, 3D designer, Backend Developer

Micro-controller: ESP32 Sensors Used: PZEM004T

Technologies for Microcontroller programming: c++

Technologies for website: HTML, CSS and JavaScript ,Firebase

GitHub Repository Link : [Power-Measuring-Device.](#) [view Linkedin post](#)

Sentiment Analysis Web Application (2025)

Individual -ML project

Description:

- Developed a Flask web application with an interactive user interface and real-time prediction capabilities using machine learning to classify customer reviews as Positive or Negative. Implemented complete ML pipeline from data preprocessing (NLP techniques, stemming, stopword removal) to model training, achieving 85%+ accuracy with Logistic Regression.

Technologies Used: Python, Flask, Scikit-learn, NLTK, Jupyter Notebook

GitHub Repository Link: [Repo Link](#) [Demo.](#)

Personal Portfolio Website (2025)

Individual project

Description:

- Developed a responsive personal portfolio website using Next.js with modern UI/UX design. Implemented interactive animations, skill categorization, project showcase, and real-time contact form with EmailJS integration.

Technologies Used: Next.js, JavaScript, Tailwind CSS, HTML5, EmailJS, React Icons, Vercel

GitHub Repository Link: [Repo Link](#) [Live Site](#)

CERTIFICATIONS

[Full-Stack Web Development -Udemy.](#)

[Python for beginners-UOM](#)

ACHIEVEMENTS & PARTICIPATIONS

Finalist-Code Arena 2025 organized by KDU

10th place- CodeRush 2025 organized by INTECS ,UOM

MoraXtreme9.0 Algorithmic coding competition organized by IEEE Student branch of UOM

VOLUNTEERING

Organizing Committee Member - FIT FUTURE CAREER (2024 and 2025)

Company Coordinator - FIT Sixes 2024

Team Handling Committee Member - Mora UXPlore 2.0 - IEEE Student Branch

REFERENCES

Mr. Yasoma Jayasinghe

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