Sahan Bhanuka Bandaranayake

(Software Engineering- Internship)

📍 Kandy, Sri Lanka ✉ sahanbhanuka10@gmail.com 📞 0778988024 ⬛ Bhanuka10

in Bhanuka Bandaranayake ⬛ Bhanuka 🔗 Portfolio

SUMMARY

Motivated BSc (Hons) Computing and Information Systems undergraduate specializing in Software Engineering, Full-Stack Development, and AI/ML solutions. Skilled in Java Spring Boot, Laravel, React, and the MERN stack, with hands-on experience in database management, API integration, and AI-powered web projects. Passionate about building scalable, intelligent, and user-centric solutions that bridge innovation and real-world impact.

EDUCATION

BSc (Hons) in Computing and Information Systems,   08/2023 – Present | Belihuloya
Sabaragamuwa University of Sri Lanka

Diploma in English, SIBA Campus   10/2022 – 05/2023 | Kandy

G.C.E. Advanced Level (Physical Science Stream),   2018 – 2020 | Kandy
Dharmaraja College

PROJECTS

Personalized Learning Web & Mobile Application (Group),   02/2025 – 05/2025
(React.js, Firebase, Gemini API, YouTube API, Git, Figma) 🔗
- Developed a personalized learning application with AI integration and a chatbot to recommend tailored courses and track user progress.
- Contributed by building a responsive React.js front-end, managing the Firebase backend, integrating the YouTube API for educational content, implementing progress tracking, and incorporating AI/ML algorithms for personalized recommendations, while collaborating via Git/GitHub and following Agile methodologies.

Hostel Management System (Group),   05/2025 – 09/2025
(Laravel, Blade, Bootstrap, MySQL, Git) 🔗
- Developed a web application to manage hostel operations, including room allocation, student registration, and fee tracking.
- Contributed by building a responsive front-end with Blade & Bootstrap, developing the Laravel & MySQL backend, and implementing search, reporting, and notification features to improve operational efficiency.

Parent–Teacher Relationship Management System (Group),   10/2025 – Present
(Laravel, Blade, Bootstrap, MySQL, Git, WhatsApp API) 🔗
- Built a web platform for real-time access to grades, attendance, and reports with WhatsApp notifications and PDF downloads. Contributed to developing the front-end, backend, and integrating the WhatsApp API for instant alerts and communication.

Movie Explorer Web Application (Individual),   06/2025 – 07/2025
(React.js, JavaScript, REST API, Git) 🔗
- Developed a responsive web application to search, explore, and save the latest movies with real-time data.
- Contributed by building the React.js front-end, integrating a movie API for dynamic search and content, and collaborating with the team using Git.

Expense Tracker Web Application (individual),   09/2025 – 10/2025
(MERN: MongoDB, Express, React.js, Node.js) 🔗
- Developed a responsive web application to add, manage, and track daily expenses with category-wise summaries and visual charts for better financial insights.
- Contributed by building the React.js front-end, developing the Node.js & Express backend, integrating MongoDB for data storage, implementing charts for data visualization, and collaborating using Git.

TECHNICAL SKILLS

- **Programming Languages:** Python,Java, C, JavaScript, PHP
- **Frameworks & libraries :** Laravel, React.js, Spring Boot, Express.js, Node.js, PyTorch
- **Databases:** MySQL, MongoDB, Firebase
- **Cloud & Development Tools:** AWS, Postman, Git, Figma, VS Code, IntelliJ IDEA, Jupyter Notebook(Machine Learning)
- **Concepts** - Object-Oriented Programming (OOP), Agile Development

SOFT SKILLS

- Problem-solving
- Leadership
- Communication Skills
- Critical Thinking
- Teamwork & Collaboration
- Adaptability & Quick Learning
- Creativity & Innovation
- Decision Making

ACHIVEMENTS

Semi-finalist at HackX 10.0, Department of Industrial Management   10/2025
Faculty of Science University of Kelaniya
(Developed a cross-platform AI chatbot that detects emotions from text and voice to provide empathetic, personalized support)

CERTIFICATES

AI/ML Enginner - Centre for Open and Distance Education - SLIIT ∅
This comprehensive course provided a strong foundation in machine learning concepts and hands-on experience with real-world projects and datasets.

AI/ML - HP LIFE online course ∅
This was a fantastic course that went beyond the basics, offering great insights into the ethical implications of AI and why data is so crucial to the technology.

Data Science and Analytics - HP LIFE ∅
This course provided practical knowledge in:Leading data science and analytics practicesModern tools and methodologies used in the fieldThe benefits and challenges of using data-driven approaches in businessEssential skills to pursue a career in data analytic

Python- (CODL) Department of Computer Science & Engineering Moratuwa University
Completed a Python programming course covering fundamental concepts such as variables, data types, loops, conditional statements, functions, file handling, and error handling. Gained hands-on experience in writing scripts, creating simple projects, and applying Python to solve real-world problems.

VOLUNTEERING EXPERIENCE

Society of Computer Sciences – 33rd Fortnight Meetup, Host ∅   06/2025
Feeling incredibly honored to have hosted the 33rd Fortnight Meetup organized by the Society of Computer Sciences, Faculty of Computing – Sabaragamuwa University of Sri Lanka.

STEMUP Educational Foundation, Volunteer   02/2025
Created a Python programming video in English, enhancing skills in communication, teaching, and knowledge sharing.

ICARC 2025, Host ∅   02/2025
Machine Learning for Next-Generation IoT Applications" – ICARC 2025. Attended a key learning session on applying machine learning techniques to IoT, covering wireless indoor localization, signal processing, and practical Python-based implementations for real-world IoT applications.

REFERENCES

Miss. S. Adeeba, *Lecturer (Probationary), Department of Computing & Information Systems, Faculty of Computing,* Sabaragamuwa University of Sri Lanka, adeesa@foc.sab.ac.lk, +94 77 366 8175

N K M D Katuwawala, *Senior Software Engineer - Front End,* Dijital Team Pty Ltd
madawa.deshan@dijitalteam.com, +94 76 717 4075