

KAVIDU HASARANGA

Software Engineering Undergraduate | Full-Stack & Mobile App Developer

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OBJECTIVE

Motivated Software Engineering undergraduate passionate about building innovative software solutions and continuously expanding technical expertise through hands on projects. Experienced in full stack development and mobile application development with strong problem solving, teamwork, and communication skills. Seeking a Software Engineering Internship to gain industry experience and contribute to impactful technology solutions.

EDUCATION

BSc (Hons) in Software Engineering

NSBM Green University, Sri Lanka

Expected Graduation: 2027

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

2021

Ananda Sastralaya National School, Matugama

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript, TypeScript, PHP, Dart, C#
- **Frontend Development:** HTML5, CSS3, React.js, Tailwind CSS, Bootstrap, JavaScript
- **Backend Development:** Java Servlets, Node.js, Express.js, REST APIs, PHP, ASP.NET
- **Mobile Application Development:** Flutter, Dart, Android Studio
- **Databases:** MySQL, PostgreSQL, MongoDB, SQLite
- **DevOps & Deployment:** CI/CD pipelines, basic deployment practices
- **Tools & Platforms:** Git, GitHub, Postman, Maven, Figma, VS Code
- **AI Assisted Development Tools:** GitHub Copilot, Claude, Gemini, OpenAI Codex, Antigravity
- **Core Concepts:** OOP, MVC, Data Structures & Algorithms, SDLC, DBMS, Agile methodologies

PROJECTS

1. Go4 - AI Powered Multimodal Retail Guide - [GitHub](#)

Technologies: Flutter, Dart, Node.js, Express.js, Google Gemini 1.5 Flash, OpenAI Whisper / Groq Whisper, Serper.dev API, Riverpod, Camera Controller API

- Engineered a multimodal search system enabling image, voice, and text-based product discovery using Flutter frontend and Node.js backend
- Integrated Google Gemini AI for image understanding, OpenAI Whisper for speech-to-text transcription, and Serper API for real-time shopping search results
- Architected a unified search pipeline (Home screen → Search route → AI services) ensuring seamless communication between frontend and backend systems (*Group Project – 3rd Year*)

2. RiderWatch - Riders Net Profit Watch App - [GitHub](#)

Technologies: Flutter, Node.js, Express.js, SQLite

- Built a rider profit tracking application for managing trips, earnings, and expenses.
- Developed analytics dashboards and secure JWT-based authentication to enhance data security and user experience.

- Deployed backend services on Ubuntu VPS using Nginx and PM2. (*Individual Project*)
3. **Billing & Invoice Management Systems** - [GitHub](#) , [GitHub](#)
Technologies: React, Node.js, Express.js, PostgreSQL, Prisma ORM, Tailwind CSS
- Created full-stack billing and invoice management solutions for optical and printing businesses.
 - Executed invoice generation, payment tracking, customer management, and business reporting functionalities.
 - Integrated JWT-based authentication, role-based access control (RBAC), and responsive user interfaces while deploying applications on Ubuntu VPS using Nginx and PM2. (*Client Projects*)
4. **Student Management System** - [GitHub](#)
Technologies: Java Servlets, JSP, MySQL, Bootstrap
Built a Student Management System using Java Servlets, JSP, and MySQL following MVC architecture. Implemented student records management, attendance tracking, authentication, and an admin dashboard for efficient data handling. (*Group Project – 2nd Year*)
5. **Gemstone E-Commerce Website + Admin Dashboard** - [GitHub](#) , [GitHub](#)
Technologies: PHP, MySQL, HTML, CSS, JavaScript, Bootstrap
Created a full-stack gemstone e-commerce platform with product catalog management, shopping cart, secure user authentication, checkout functionality, and an admin dashboard. (*Group Project – 1st Year*)

CERTIFICATIONS

- **EF SET English Certificate** (B1 Intermediate) (May 2025)
- **Python for Beginners** - University of Moratuwa (Aug 2022)
- **Web Design for Beginners** - University of Moratuwa (May 2022)

EXTRA CURRICULAR ACTIVITIES

- **Member** – FOSS Community, NSBM Green University
- **Organizing Committee Member**, “*Haritha Sahurdha Yathra 2025*” Program, Students Wellbeing Association, NSBM Green University
- **Head Prefect**, Ananda Sastralaya National School, Matugama (2018 - 2019)

SOFT SKILLS

- **Problem-Solving:** Contributed to full-stack development projects by debugging issues and implementing real time features like search and tracking systems
- **Teamwork & Collaboration:** Worked as part of university development teams including AI-powered retail and logistics projects
- **Adaptability:** Quickly learned and worked with multiple technologies including Flutter, Node.js, AI APIs, and cloud services
- **Time Management:** Managed academic responsibilities alongside project deadlines and extracurricular commitments effectively

REFERENCES

Dr. Rasika Ranaweera

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