Pasan
Baddewithana
Intern Software Engineer

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About Me

I am a recent graduate from SLIIT with a strong foundation in software engineering and hands-on experience in building and designing real-world software applications.

Expertise

- **Backend Developing**
  NodeJs, ExpressJS, FastAPI
- **Frontend Developing**
  ReactJs, React native, NextJS
- **Project Management tools**
  Jira, Trello
- **Programming Languages**
  C, C++, Java, JavaScript, Python, Dart
- **Web Technologies**
  HTML, CSS, JavaScript, PHP, Laravel
- **Databases**
  MySQL, MongoDB, Firebase, ORDB
- **Version controlling**
  Git, GitHub

Activities & Volunteering

Dean's List Award – Year 4 2nd Semester
for academic exellence
(2025)

Best Research Paper Presentation Award at 8th ICAIBD Conference
(2025)

Nominated to Participate in NBQSA 2025
(2025)

Soft Skills

- Leadership
- Good team player
- Active Listener
- Adaptability
- Communication
- Creativity

Interests

- Machine learning
- Web Development
- Prompt Engineering
- User Interface design
- Technical Blog writing
- Research and Development

Educational Qualification

2025 — **BSc (Hons) in Information Technology Specializing in Software Engineering**
Sri Lanka Institute of Information Technology (SLIIT) - **G.P.A - 3.15**

2019 — **G.C.E Advanced Level**
C.W.W. Kannangara Central College, Mathugama - **2C and S (Bio Stream)**

2015 — **G.C.E Ordinary Level**
Kalutara Vidyalaya National School, Kalutara - **9As'**

Work Experience –Gravity Colombo PVT LTD (2024 – 2025)

Real Realtor Web App
- Create a web app for manage real state advertises for company called Real Realtor
- used ReactJS, ExpressJS, MySQL, NodeJS, Amazon S3 and Vultr Hosting

Ceylon Ambassador Web App
- Create a web app for manage logistics for company called Ceylon ambassador
- Used ReactJS, ExpressJS, MongoDB, NodeJS, PrismaDB and Vultr Hosting and CPanel

Thilakawardhana Groups Backup POS & Parking Ticket Mobile App
- Created a mobile application to manage backup pos and parking tickets
- Used React Native, EAS build and SQL-Lite for development

Academic Projects

E.N.T Insight - E.N.T Medical Images analyzing Platform
- Focused on identifying FO (foreign objects) in the throat using lateral neck X-rays.
- Developed and trained a YOLO-based object detection model for accurate and efficient detection.
- Utilized Roboflow for dataset preparation and augmentation.
- Built supporting systems with FastAPI (backend), Next.js (web frontend), and Flutter (mobile app) for model deployment and accessibility.
- A Research Paper is published about this project.

Ceylon Translate - Multimodal Translating Web app
- Designed and developed a web application for English to Sinhala and vice versa translation using text, images, PDFs, and voice inputs.
- Developed a community Posting and comment system for the project.
- Led a group project in the third year with a team of four, utilizing the MERN stack, Tesseract OCR, and Google Translate API.
- A Research Paper is published about this project.

Boarding Buddy - Mobile app for finding boardings
- Developed a user-friendly mobile app for university students, facilitating boarding and restaurant searches.
- Implemented search filtering, real-time chat for landlord-tenant communication, and tenant management features.
- Collaborated on a group project in the third year with a team of 4, using React Native for frontend and Node.js with Express, MongoDB, and Firebase for backend.

Procurement-Management System - combination of web and mobile app
- A Streamlined solution for purchasing and distribution of Construction materials among Construction sites.
- developed the system using functional based approach and technologies to a given object oriented based design by another team of designers.
- Role based access and authorization over features like purchase, approval of purchase and distribution were implemented ensuring all the object-oriented concepts were covered.
- Collaborated on a group project in the third year with a team of 4, using React Native and React.js for frontend and Node.js with Express, MongoDB, and Firebase for backend.

Nawamaga - Learning Management System - Web app
- A Web application designed and developed based on requirements from a real world client.
- Role based access using JWT, User administration, Multimedia handling & crud operations were main features of the application.
- Manage the Complete Documentation of the project with Project charter, Proposal, Product backlog, Sprint backlog and Final Report.
- Led a team of eight in the second year, utilizing the MERN stack, Firebase, and Tailwind CSS.