THEVINDU PESARA

Software Engineer - Internship

CONTACT

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PROFILE

A motivated and goal-driven IT undergraduate at SLIIT specializing in Full-Stack Software Engineering. Proficient in Java, JavaScript, and Python with a solid foundation in object-oriented programming, data structures, and algorithms. Experienced in developing, coding, and testing full-stack applications using React.js, Node.js, and databases such as MySQL and MongoDB. Familiar with Agile methodologies, version control (Git), and software testing principles. Passionate about building scalable, AI-driven solutions and eager to collaborate with senior developers in a global, learning-focused environment to deliver high-quality software.

TECHNICAL SKILLS

LANGUAGES

- JavaScript
- Java
- Python
- C++

FRONTEND

- React.js
- HTML
- CSS
- Bootstrap

EDUCATION

Sri Lanka Institute of Information Technology (SLIIT)

2023- Current

Faculty of Computing

BSc (Hons) in Information Technology Current Undergraduate | Completed Coursework includes **Software Engineering Principles, Object-Oriented Programming, Data Structures & Algorithms, Database Systems, Data Science and Analytics**

Mahanama College
2020-2023

G.C.E. Advanced Level – Completed [2023]

Subjects: Business Studies (B), ICT (C), Accounting (C)

Louvre International School

2009 - 2019

G.C.E Ordinary Level – Completed [2019]

Results: 4 A's, 3 B's , 2 C's
Key Subjects: Mathematics(A), English (A), Business Studies (B), ICT (B), Science (C)

PROJECTS

FoodWebsiteAndManagement (Ongoing Project)

- This project is created to build up a website which is in needed for a small company in Toronto to get started as an online businness for the client.

- **Technologies:** React.js, Node.js, CSS, MongoDB

Online Greenhouse Management System

- Developed a responsive web application using React.js and Node.js, applying database concepts with MongoDB and implementing secure role-based authentication with JWT .
- Created secure payment gateway integration using Stripe API .
- Designed and developed responsive front-end interfaces, ensuring optimal user experience across various screen sizes and devices by following modern best practices.
- **Technologies:** React.js, Node.js, Express.js, MongoDB, JWT, Bootstrap, CSS.

BACKEND

- Node.js
- Express.js
- Java Servlets
- JSP

DATABASES

- MySQL
- MongoDB
- SQL Server

TOOLS/FRAMEWORKS

- Git
- GitHub
- XAMPP
- Apache Tomcat
- JWT
- Figma

SOFT SKILLS

- Teamwork & Collaboration
- Problem Solving & critical thinking
- Flexibility & Adaptability
- Creativity
- Time Management
- Quick learner of new tech

REFERENCES

Buddika Harshanath
Lecturer – Department of Information
Technology Faculty of Computing
SLIIT | Metro Campus
Email: harshanath.s@sliit.lk
Qualifications: MIEEE, MCSSL, MCAD,
MSc in IT (SLIIT)

Prof. Samantha Rajapaksha
Head/Department of IT
B.Sc. Eng. (Moratuwa),M.Sc.
(SLIIT),Ph.D. (SLIIT).
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Online Hotel Management System

- Engineered a Java-based web management system using Servlets, JSP, and MySQL following MVC architecture and OOP principles.
- Implemented CRUD operations and role-based access, improving backend efficiency and maintainability.
- **Technologies:** Java, JSP, JDBC, SQL, Apache Tomcat

Online Singing Competition Platform

- Developed a user-friendly web platform using PHP, HTML and CSS to simplify recipe discovery, sharing, and meal planning.
- Utilized MySQL for database management and hosted the system locally with XAMPP, Apache as the web server.
- Applied best practices in front-end design and responsive development to deliver a seamless experience across devices.
- **Technologies**: PHP, MySQL, XAMPP, Apache Tomcat .

Google Gemini 2.0 Chat App Clone

- Developed a responsive AI chatbot using React.js and Google Gemini API, integrating real-time conversational responses and multi-chat history.
- Strengthened understanding of asynchronous data handling and state management in modern frontend frameworks.
- **Technologies**: React.js, Google Gemini API, JavaScript, HTML, CSS)

AI Chat Agent (Console-based)

- Developed a conversational AI assistant in Python using LangChain + OpenAI API.
- Implemented a ReAct-style agent executor for dynamic tool calling and streaming responses.
- Ensured secure API integration with dotenv and safe environment variable handling.
- **Technologies**: Python, LangChain, OpenAI API, dotenv, uvicorn

ResumeCritiqueAI (Streamlit Web App)

- Built an interactive Streamlit application that accepts user resumes and provides AI-driven feedback using OpenAI LLM integration.
- Designed frontend components to handle user inputs and suppress onboarding prompts for smoother UX.
- Secured API keys and environment settings with dotenv, and managed app execution efficiently.
- **Technologies**: Python, Streamlit, OpenAI API, LangChain, dotenv, uvicorn