



Pamudu Wijayabandara

Software Engineering Intern



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Pamudu Wijayabandara

PROFILE

Motivated and adaptable Software Engineering undergraduate at Saegis Campus, with a strong foundation in full-stack development and a proven track record in collaborative projects and hackathons. Passionate about learning and applying modern technologies to solve real-world problems.

PROJECTS

Task Management WebApp

full-stack task management application

A secure productivity application for task tracking, role-based access, and real-time authentication.

User Authentication

- **OTP-based signup** with email verification
- **Google OAuth 2.0** login using @react-oauth/google
- **JWT token** authentication with **HTTP-only** and **signed cookies**

Task Management System

- Full CRUD operations for tasks (Create, Read, Update, Delete)
- Task filtering, search, sorting
- **PDF export** functionality for task lists

User Role Management

- Role-based access (Admin / User)
- Admins can view, edit, and deactivate users (soft delete)

Security & Middleware

- Protected routes with **role-based access control**
- Centralized error handling and validation middleware
- Email delivery tested via **Gmail SMTP**
- Form validation and error messaging for all input fields

Role: Full Stack Developer

Tech Stack: React.js, Node.js, Express.js, MongoDB, jsPDF, Mongoose, Tailwind CSS, JWT, Nodemailer, Google OAuth

- **Link to Project:** [Task_Manager_MERN](#)

EDUCATION

Advanced Level | Ordinary Level

Central College Kuliyapitiya

2013-2020

BSc (Hons) in Software Engineering

Saegis Campus | Nugegoda, Sri Lanka

2022-Present

Relevant Modules

- **Object Oriented Programming**
- Software Engineering
- **Database management system**
- **Software Architecture and Design Pattern**
- Software Project Management
- **Deductive Reasoning and Logic Programming**

CERTIFICATION

Certificate in Web Design for Beginners

University of Moratuwa | katubedda, Sri Lanka

2023

Certificate in Python for Beginners

University of Moratuwa | katubedda, Sri Lanka

2024

TECHNICAL SKILLS

- **Frontend Technologies:** HTML, CSS, JavaScript, React, Bootstrap, MUI, Tailwind CSS
- **Backend Technologies:** Node.js, Express, Spring Boot, Java, PHP
- **Database Technologies:** SQL, MongoDB
- **Version Control:** Git
- **Others:** REST APIs, JSON, Agile, Axios, JPA, Jira, **TypeScript**, JWT, Selenium, JMeter, PHP Unit

AWARDS

Winners in Saegis Code Pulse (Hackathon)
Organized by ICT Club Saegis Campus
2024

Dean's List 2023

Faculty of Computing and Technology
2023

SOFT SKILLS

Problem Solving | Teamwork & Collaboration |
Adaptability | Critical Thinking | Self-Motivation

COMMUNITY ENGAGEMENT

- **Member Of ICT Club** – Saegis Campus
- **Participated in Saegis Code Pulse (Hackathon)** – 2022
- **Winners of ICT Club PvP Pulse Gaming Tournament** – 2023
- **Participated in SLIIT Codefest 2024 (DevQuest)** - 2025

REFERENCES

Mr. Prabath Samarasinghe

Senior Lecturer at Faculty of Computing and Technology

Saegis Campus | Nugegoda, Sri Lanka
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Ms. T.L. Navodi Sithara

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Wizby Bot

AI-Powered Chatbot Application

An intelligent chatbot system built with the MERN stack and powered by **DeepSeek API**. Inspired by DeepSeek's architecture, this application offers a secure and personalized chat experience.

Custom Chat Handling:

- Stores and manages user messages in **MongoDB**, with support for conversation history and deletion
- Implements stateful session logic to simulate real dialogue continuity

Advanced Security:

- Implements **JWT tokens**, **HTTP-only cookies**, and **signed cookies** for session protection
- Includes middleware chains for **role-based route protection** and **authentication guardrails**
- Encrypts user credentials using industry-standard hashing algorithms

Role: Full Stack Developer

Tech Stack: MongoDB, Express.js, React.js, TypeScript
Node.js, DeepSeek API, JWT, bcrypt, MUI

- **Link to Project:** [Wizby Bot](#)

Student Management System

Full-Stack CRUD Application

A full-stack CRUD application designed to manage student records efficiently with real-time data interactions and a modular architecture.

- Developed using **React.js**
- Integrated **Axios** for dynamic **REST API communication**
- Utilized a **layered architecture** (Controller → Service → Repository) for maintainable backend structure
- Managed student data using a **relational SQL database**
- Ensured transactional integrity with **JPA mappings** and **annotations**

Role: Full Stack Developer

Tech Stack: Java, Spring Boot, JPA, SQL, React, Axios

- **Link to Project:** [Student Management System](#)