

# SITHIJA MUDALIGE

+94-787675866 • No 68 Uduwela road Ampitiya Kandy • [github.com/sithijamudalige](https://github.com/sithijamudalige) • [sithijamudalige15@gmail.com](mailto:sithijamudalige15@gmail.com)

## ABOUT ME

I am an undergraduate student pursuing a degree in Computer Science with a strong academic foundation in Data Science, Web Development, Advanced Databases, and Communication. My studies have equipped me with practical knowledge in cutting-edge technologies such as Artificial Intelligence, Digital Image Processing, and Bioinformatics. I am passionate about exploring how data, technology, and intelligent systems can be used to solve real-world problems. Currently, I am seeking an internship opportunity where I can apply my skills, gain industry experience, and continue learning as I work towards becoming a skilled professional in the tech industry.

## EDUCATION

### BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Sri Lanka International Buddhist Academy (SIBA) Campus, Pallekale

2023 – Present

## TECHNICAL SKILLS

- Languages**  
: HTML | CSS | JavaScript | PHP | Python | Java
- Frontend Development**  
: React.js | Angular | Bootstrap
- Backend Development**  
: PHP | Laravel | Django | Flask
- Database**  
: MySQL | Firebase
- Libraries & Tools**  
: OpenCV | TensorFlow (Basics) | NumPy | Pandas
- Version Control**  
: Git | GitHub
- API Development & Testing**  
: REST API | Postman
- Testing & Debugging**  
: Manual Testing | Selenium IDE | Debugging
- UI/UX Design**  
: Figma | Canva
- Project Tools & Others**  
: Jupyter Notebook | Google Colab | Linux Basics | MS Word | PowerPoint

## SOFT SKILLS

- Communication
- Teamwork
- Problem Solving
- Adaptability
- Time Management
- Critical Thinking
- Collaboration
- Leadership

## LANGUAGES

- English (Advanced)
- Sinhala – (Native)
- Spanish (Beginner)

### Football Learning Web Application

- **Tech Stack:** Django, MySQL, Bootstrap 5
- **Features:** Personalized training plan selection, progress tracking, motivational interface
- **Highlight:** Integrated AI to recommend suitable football training plans and monitor user progress dynamically.

### Footballer Recognition AI System

- **Tech Stack:** Python, Jupyter Notebook
- **Features:** Image processing for identifying football players
- **Highlight:** Trained with footballer image datasets; prompts user feedback for incorrect predictions and re-trains model to improve accuracy.

### Inventory Management System

- **Tech Stack:** Java Servlets, JSP, MySQL
- **Features:** Inventory tracking, POS, reporting, user management
- **Highlight:** Full-stack inventory solution with dynamic reporting and secure role-based user access.

### Shopping Web Application

- **Tech Stack:** PHP, HTML, MySQL, Advanced Database (Stored Procedures & Triggers)
- **Features:** Item listing, buying, basic cart functions
- **Highlight:** Implemented advanced database management with real-time item updates and transactional integrity.

### Personal Portfolio Website

- **Tech Stack:** React.js, Tailwind CSS, Docker, Railway (Cloud Hosting)
- **Features:** Dynamic project showcase, responsive design, contact form, smooth scrolling, and interactive UI components
- **Highlight:** Developed and deployed a fully containerized React-based personal portfolio using Docker, hosted on Railway for seamless CI/CD and scalability.

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### Inventory Management System for Herath Tiles (In Development)

- **Tech Stack:** Django, React, Firebase
- **Features:** Real-time inventory tracking, sales logging, client-specific dashboard
- **Highlight:** Built for a real client—Herath Tiles—with modern stack integration for seamless data synchronization and responsive user interface.

## REFERENCE

#### Miss. Bhagya Thilakarathne

Head of the department IT SIBA  
Campus, Kandy

**Phone:** +94 71 630 7918

**Email:** tharu8737@gmail.com

#### Mr. Gayan Kanishka

Director & CEO of Circlebook  
Company, CEO of Qneuron, Lecturer  
at SIBACAMPUS

**Phone:** +94 71 088 9345

**Email:** gayan.h@siba.edu.lk