Bhanuka Shamen Rathnasiri

Polonnaruwa | (+94)759715913 | shamenrathnasiri@gmail.com

shamenrathnasiri | Bhanuka Shamen

Summary

I'm a Computer Science undergraduate at Trincomalee Campus, Eastern University, Sri Lanka, driven by a passion for full-stack development and software engineering. With hands-on experience in React, Angular, ExpressJS,Flask and languages like JavaScript, TypeScript, Python, and Java, I enjoy building scalable, high-performance applications. I thrive in collaborative teams, love solving complex problems, and aim to create impactful tech solutions that make a real difference.

Experience

Cybernetic Technologies Pvt.LTD
Intern Software Engineer
No 1180, rajamalwatta Road, Battaramulla
July 2025 - Present

🔗 https://cybernetic.lk/

Education

Trincomalee Campus, Eastern University, Sri Lanka
Bachelor of Computer Science
June 2022 - present

Polonnaruwa Thopawewa Central College, Polonnaruwa
(Combined mathematics - C , Chemistry - C , Physics - C)
C.G.E.Advanced Level - 2020
2018-2020

Projects

1. Note Master : Full-Stack Application
Full-Stack Application

- Developed a full-stack Note Management Application using **Angular** (frontend), **Flask** (backend), and **MySQL** (database).
- Implemented full **CRUD operations** (Create, Read, Update, Delete) with **RESTful APIs** for seamless frontend-backend communication.
- Ensured **clean, modular, and scalable code** structure to support maintainability and future development.
- Focused on **user experience** and **system performance** through optimized API integration and UI design.

🔗 https://github.com/shamenrathnasiri/Note-Master

2. Inventory-Order-Management-System : Full-Stack Application
MEAN Project

- Built a full-stack system using **Angular** for the frontend, **ExpressJS** for the backend, and **MongoDB** for the database.
- Implemented full **CRUD functionality** for efficient inventory and order management.
- Created **RESTful APIs** with ExpressJS and designed a **user-friendly, dynamic interface** with Angular.
- Ensured **real-time updates** and smooth performance through seamless integration across the tech stack.

🔗 https://github.com/shamenrathnasiri/Inventory-Order-Management-System

3. Inhouse Patient Management System for Private Hospital
Full-Stack Application

- Designed and developed a **comprehensive system** to manage the full patient lifecycle from admission to discharge for a private hospital.
- Built key modules including **history tracking**, **treatment updates**, and **discharge management** for streamlined operations.
- Integrated **real-time chat** between doctors and nurses, and added **digital signature** support for secure approvals.
- Implemented **role-based access control** and developed a **responsive, user-friendly UI** with optimized backend logic.

🔗 https://github.com/shamenrathnasiri/Inhouse-patient-management-system-for-private-hospitals

4. Farm Management System (AGRO PULSE)
Full-Stack Application

- Built a full-stack system using **React** with **Tailwind CSS** for the frontend, **Flask** for backend APIs, and **MySQL** for data storage.
- Implemented full **CRUD functionality** to manage **crops, expenses, income, and stock** efficiently.
- Designed a **responsive, user-friendly interface** and developed **RESTful APIs** for smooth frontend-backend communication.
- Followed a **modular, scalable architecture** to support future enhancements and long-term maintainability.

🔗 https://github.com/shamenrathnasiri/Farm-Management-System

5. Cafe Shop Website (Cozy Bean Cafe)
Full-Stack Project

- Built a full-stack **Cafe Shop Website** with **React** and **Tailwind CSS** for the frontend, **Flask** for backend APIs, and **MySQL** for database management.
- Implemented full **CRUD functionality** for managing the **menu, orders, and customer records**.
- Designed a **responsive and visually appealing UI**, ensuring smooth user interactions across devices.
- Focused on **clean, maintainable code** and a **scalable architecture** to support future growth and feature additions.

🔗 https://github.com/shamenrathnasiri/Cafe-shop-website

Technologies

• Languages:
JavaScript, TypeScript, HTML, Java, Python, PHP

• Frameworks and Libraries:
React, Angular, Tailwind CSS, Next.js, Flask, ExpressSJs., Laravel

• Databases:
MongoDB, MySQL

• IDEs:
Visual Studio, Visula Studio Code

• API Development:
RESTful APIs

• Design Tools:
Figma, Adobe Photoshop, Adobe Illustrator.

• Other Technologies:
Postman, Git.

Soft Skills

• Team Leadership

• Project Management

• Problem-solving

• Decision-Making

• Communication

• Collaboration

Volunteering

TRINCO PULSE Official Media Unit , Trincomalee Campus
President

References

Mr. S. Thadchanamoorthy

Senior Lecturer,
Department of Computer Science,
Faculty of Applied Science,
Trincomalee campus,
Eastern University of Sri Lanka.
thadchanamoorthys@esn.ac.lk

Ms. K. Krishnaraj

Lecturer,
Department of Computer Science,
Faculty of Applied Science,
Trincomalee campus,
Eastern University of Sri Lanka.
khedikas@esn.ac.lk