


SACHINTHA BHASHITHA

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EDUCATION

 BSc (Hons) in Information Technology

SLIIT

2023 - 2027 Malabe, Colombo

 Diploma In English & Information Technology

ESOFT Metro Campus

2022-2023 Colombo

 G.C.E Advanced Level

DS Senanayake College Colombo 07

2021 Colombo

STRENGTHS



Full Stack Web Development

Practical experience with the MERN stack (MongoDB, Express.js, React.js, Node.js), Spring Boot (Java), and Django and many for building dynamic and scalable web applications.



Adaptability & Continuous Learning

interest in to adopt new technologies and continuously expand knowledge through platforms such as Coursera, IBM SkillsBuild, and Microsoft Learn.



AI/ML and Cloud Computing Enthusiast

Passionate about Artificial Intelligence and Machine Learning, Currently upskilling in AWS (Cloud Quest – AI Engineer) and Microsoft Azure fundamentals.

PROJECTS

Structura – Architecture Collaboration Platform

04/2025 - 06/2025 Sri Lanka Institute of Information Technology, Sri Lanka

<https://github.com/LEXES7/Structura-Frontend.git>

<https://github.com/LEXES7/Structura-Backend.git>

React, Redux, Tailwind CSS, Flowbite, Java Spring Boot, MongoDB

- Developed a full stack collaborative platform tailored for architecture students and professionals to share, learn, and engage within a unified community.
- Implemented secure user authentication using OAuth, with role-based access control and encrypted credentials for robust security.
- Built interactive modules such as project showcases with image galleries, community forums, learning dashboards, and event calendars with real-time registration.
- Designed and developed course modules with tutorials and progress tracking, enhancing user learning experience.
- Built and consumed RESTful APIs with CORS support, focusing on security, scalability, and efficient data handling.

SUMMARY

Passionate Software developer with expertise in frontend and backend development, computer networks, and cybersecurity and currently studying in AI. Skilled in building scalable solutions and leading teams in project execution, planning, and requirement analysis. Proficient in various programming languages and frameworks, with a keen interest in exploring new technologies. Excellent problem-solving abilities and a logical, systematic approach to challenges. Committed to delivering high-quality software solutions that meet client needs.

SKILLS

Java	Python	JavaScript		PHP
TypeScript	C	C++	C#	AWS
Ballerina	NextJS	Kotlin	Django	
Bootstrap	React	Docker	Spring	
Node	Maven	Tailwind	R	
MySQL	MongoDB	Express	Azure	

COURSES / CERTIFICATES

IBM Cybersecurity Fundamentals

IBM

JavaScript Essentials 1

Cisco

Artificial Intelligence Fundamentals

IBM

Foundational C# with Microsoft Certification

FreeCodeCamp

AWS Cloud Quest: Cloud Practitioner

AWS

Microsoft Azure AI Fundamentals

Microsoft

PROJECTS

HomeMate – AI-Powered Inventory Management System

📅 02/2025 - 04/2025 📍 Sri Lanka Institute of Information Technology, Sri Lanka
🔗 <https://github.com/LEXES7/HomeMate.git>

React.js (Vite), Redux, Node.js, Express.js, MongoDB, JWT, Google OAuth, Gemini API

- Developed a full stack inventory management application designed to help households and small businesses efficiently manage their assets and supplies.
- Implemented real-time inventory tracking across multiple categories including appliances, pantry items, clothing, and essentials.
- Integrated Google's Gemini API to deliver AI-powered recommendations and insights based on inventory trends and usage.
- Designed a smart notification system to alert users about warranty expirations, low stock, and scheduled maintenance.
- Built an admin dashboard with user management and system analytics for streamlined operations.

AtmoSense – Real Time Weather Application

📅 06/2025 - Present 📍 Colombo, Sri Lanka

Github
LiveDemo

React.js, Vite, Tailwind CSS

- Developed a responsive weather app to fetch current weather data for the user's location or any global city using the OpenWeather API.
- Implemented automatic geolocation detection to display local conditions upon page load, with the option to search manually by city name.
- Designed a clean, intuitive UI with Tailwind CSS, ensuring mobile-first, cross-device compatibility.
- Integrated weather details: temperature, humidity, wind speed, atmospheric conditions, and dynamic weather icons for enhanced visual context

Net-Sonic – Network Speed Monitoring Web App

📅 06/2025 - 06/2025 📍 Colombo, Sri Lanka

<https://github.com/LEXES7/NET-SONIC>
<https://netsonic.netlify.app>

TypeScript, Next.js, Vite, Tailwind CSS

- Developed a modern web application for real time internet speed testing, including download/upload throughput, latency, and network responsiveness.
- Implemented speed test functionality using calibration techniques, simulating large file transfers with precise control over request size and timing for more accurate speed measurements.
- Modularized core components—speed display, start/pause controls, performance display percentages for reusability and clear code structure.
- Utilized TypeScript for strong typing and maintainable, scalable code across all React components.

MediCenter – Medical Center Management System

📅 2025 📍 Colombo, Sri Lanka

🔗 <https://github.com/LEXES7/Medi-CenterV1.git>

React.js, Django, MySQL, Tailwind CSS, JWT Authentication

- i Build a full featured healthcare management system to streamline operations for clinics and hospitals, supporting both admin and user (patient/doctor) roles.
- Implemented patient registration, doctor profile management, appointment booking, and electronic medical record (EMR) management via secure and intuitive interfaces.
- Integrated a slot based appointment system, displaying real time slot availability and dynamically updating slot numbers upon successful bookings.
- Developed secure role based access control using JWT authentication, ensuring restricted access to sensitive features and medical data.
- Created a responsive frontend using React.js with Tailwind CSS, and connected it to a Django REST Framework backend.

CoreFlow – Fitness Reminder & Progress Tracker App

📅 2024 📍 Sri Lanka Institute of Information Technology, Sri Lanka

🔗 <https://github.com/LEXES7/CoreFlow>

Kotlin, Android Studio

- Developed a native Android application in Kotlin to help users maintain fitness consistency through custom workout reminders and progress tracking.

LANGUAGES

Sinhala

Native

English

Proficient

PROJECTS

MCP Server – Model Context Protocol for AI Agent Communication

📅 2025 - Present 📍 Colombo

TypeScript, Node.js, API

- Built a TypeScript-based MCP (Model Context Protocol) server to enable structured, real time communication between AI agents and external tools.

TRAINING / COURSES

Microsoft Azure AI Fundamentals, Engineering

Microsoft

SOFT SKILLS

Communication

Adaptability

Problem Solving

TeamWork

REFERENCES

Dr.Dhammika Silva

Senior Lecturer

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FIND ME ONLINE



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sachintha-bhashitha

I hereby declare that all the information provided above is true to the best of my knowledge and belief. I understand that any false information may lead to disqualification from consideration or termination of employment if discovered later.

E. Sachintha Bhashitha