

Sadun Abeyratne

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EDUCATION

University of Sri Jayewardenepura, Sri Lanka.

B.Sc. (Honours) in Computer Science

February 2018 – July 2023

Thurstan College, Colombo 3.

G. C. E. Advanced Level Examination

2017

• Combined Mathematics - B Chemistry - B Physics - C

WORK EXPERIENCE

Software Engineer (Intern)

Jan 2023 - Oct 2023

Currently working as a Intern Software Engineer at Axiata Digital Labs (Pvt) Ltd, involved in three fintech platform projects.

- Full stack development using ReactJS as the frontend and Java Spring Boot as the backend.
- Worked with Spring Boot Back-End in a microservices architecture, including API development and PostgreSQL database integration.
- Proficient in ReactJS and Redux for Front-End development.
- Maintained best practices and wrote unit tests.
- Worked in an agile environment, collaborating with senior developers, delivering tasks on time.

PROJECTS

“Social Robot to Encourage Children to Dispose Trash in Responsible Manner”

2023

Designed and developed a social robot that interacts with children to encourage proper trash management. Adapted object detection model for trash classification, implemented NLP conversational model, integrated speech-to-text and text-to-speech functionalities. Developed a micro-controller hardware system with server integration.

Technologies Used: TensorFlow 2, FastAPI, RASA framework, Google Colab, ESP32 controller with servo motors, pyttax3, Google Speech Recognition

“Tim - Personal Assistant Robot”

2023|Group Project

Developed a voice-enabled personal assistant social robot to manage day-to-day tasks. The project is currently in progress.

Technologies Used: Raspberry Pi, 3D Design, NLP (Natural Language Processing)

PROFILE

I am a self-motivated, creative, adaptive undergraduate seeking to work in an environment which encourages me to succeed and grow as an IT professional, where I can utilize my skills and knowledge accordingly.

TECHNICAL SKILLS

Languages and Frameworks

Java, Spring Boot, C, HTML, CSS, XML, SQL, JavaScript, React, Python, R

Tools and Technologies

VS Code, Git, NetBeans, Code Blocks, Octave, PyCharm, IntelliJ IDEA, MySQL, Postman, Google Colab, Unity, MATLAB, Maple, Minitab, RStudio

Interested Fields

Artificial Intelligence, Machine Learning, Computer Security, Cloud Computing

SOFT SKILLS

Critical Thinking
Adaptability
Problem-Solving
Creativity
Work Ethic
Teamwork
Time Management

DIPLOMAS AND CERTIFICATES

ESOFT Metro Campus, Piliyandala

Diploma in information Technology

2018

ESOFT Metro Campus, Piliyandala

Diploma in Academic English

2018

“Fitness World”

2021|Group Project

Created a web-based gym equipment management system where trainers and customers can register and meet their fitness needs.

Technologies Used: MongoDB, Express, React, Node

“Bank Management System”

2019

Developed a console application for managing banking payments and users.

Technologies Used: C

“Tic Tac Toe Game”

2019|Group Project

Designed and implemented a GUI-based application for playing the Tic Tac Toe game.

Technologies Used: Java

“Country-Wise COVID Spread”

2021

Conducted an analysis report on the COVID-19 virus spread in Nigeria during 2021.

Technologies Used: R Markdown

EXTRA-CURRICULAR ACTIVITIES

“Member - Society of Computer Science”

University of Sri Jayewardenepura

📅 2019 - 2023

“President - Inventors society”

Thurstan college

📅 2016 - 2017

REFEREES

- Dr. P. Ravindra S. De Silva (Head/Senior Lecturer in Computer Science)

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- Mr. D. D. A. Gamini (Senior Lecturer in Computer Science)

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