

Tiran Sarith Wijerathne

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INTRODUCTION

I am a third-year undergraduate studying Computer Engineering in the Department of Computer Engineering at the University of Ruhuna. I have a strong foundation in software development, DevOps practices, and cloud technologies. I am proficient in programming languages such as Python, Java, and JavaScript and have hands-on experience with modern tools like Docker, Kubernetes, and Terraform. Additionally, I possess a solid understanding of cloud fundamentals. My goal is to apply my knowledge to real-world solutions, continuously develop myself, and enhance my skills and expertise in the field.

EDUCATION

Faculty of Engineering, University of Ruhuna Bachelor of Science (Hons) in Engineering - Specializing in Computer Engineering	<i>March 2022 – present</i> <i>CGPA : 3.3/4.0</i>
Maliyadeva College Kurunegala GCE Ordinary Level - 2017 GCE Advanced Level (Physical Science Stream) - 2020	<i>Jan. 2012 - May. 2021</i> <i>9As</i> <i>2As 1B</i>

PROJECTS

Finance management system for a company [🔗](#)

- **Introduction:** Individual web project that I have developed.
- **Functionality:** Finance management system that includes income and expense tracking through journal entries and invoice generation for customers.
- **Technologies:** MongoDB, Express.js, React.js, Node.js, JWT for authentication, Material UI.

HR-Management System [🔗](#) [🔗](#)

- **Introduction:** Currently working on a group project to design and develop a real-world solution for a client, incorporating both user-side and HR-side features.
- **Functionality:** Job portal with user-side vacancy search and application, and HR-side employee management, task assignment, and vacancy control.
- **Technologies:** MongoDB, Express.js, React.js, Node.js, JWT for authentication, Material UI.

E-commerce Web site [🔗](#)

- **Introduction:** An ongoing DevOps group project where I am responsible for back-end development and website implementation. We have implemented JWT authentication, method-level route handling, and sign-in/login features.
- **Functionality:** Sellers can add products, buyers can make purchases, and includes an add-to-cart feature.
- **Technologies:** Spring boot, Spring security, React.js, MUI, MySQL, Docker, Kubernetes and AWS.

Breast Cancer prediction Machine Learning model [in](#)

- **Introduction:** A group project that we have done under Machine learning model to predict breast cancers.
- **Functionality:** Breast cancer prediction model with an accurate level over 90
- **Technologies:** Scikit-learn, Pandas, NumPy, Matplotlib, Google Colab





Finding the shortest path - DSA

- **Introduction:** Developed a project under the Data Structures module, gaining practical understanding of real-life applications of data structures.
- **Functionality:** The system determines the shortest path to a given destination using a linked list and array.
- **Technologies:** C++, Singly Linked Lists, Arrays,

TECHNICAL SKILLS

- **Programming Languages:**
Python, C++, Java, JavaScript
- **Database Systems:**
MySQL, MongoDB
- **Web Development:**
Express.js, React, Node.js, Springboot, Spring Security, HTML5, CSS
- **Development Tools:**
GitHub, Postman, Figma, Colab
- **Cloud and DevOps Tools:**
Docker, Kubernetes, Ansible, Terraform, Jenkins, CI/CD
- **Cloud Platforms:**
AWS, Azure

LICENSES AND CERTIFICATIONS

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|---|---|
| Microsoft Certified: Azure Fundamentals(AZ-900)
Microsoft | Credentials  |
| Completion Certificate for Introduction to DevOps
IBM | Credentials  |
| Leadership Management Skills For Business - Managing Employees
Alison | Credentials  |
| Foundation for UI/UX design
Google | Credentials  |

ACHIEVEMENTS

- Participated in **HACKSTREAM** coding competition organized by Ruhuna IEEE society
- **EXCELLENCE IN FINANCE Award** at the PRESTIGE 2.0 organized by AIESEC in Ruhuna

ACHIEVEMENTS - SPORTS

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|---|--------------------|
| ◦ Member of the School Cricket team | <i>2013 - 2014</i> |
| ◦ Member of the University Hockey team | <i>2023</i> |


EXPERIENCES IN CLUBS AND SOCIETIES

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|---|------------------|
| ◦ Local Committee Vice President Finance and Legal -AIESEC in University of Ruhuna | <i>2024-2025</i> |
| ◦ Team Leader - OGX B2B AIESEC in Ruhuna | <i>2023</i> |

VOLUNTEERING

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|--|-------------|
| ◦ Volunteered in Project Green Leaders and completed a 1.5-month volunteering web site designing project in Surat, India | <i>2023</i> |
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REFERENCE

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