

# Tiran Sarith Wijerathne

✉ [tiranwijeratne@gmail.com](mailto:tiranwijeratne@gmail.com) ☎ +94764821572 [in Tiran Wijerathne](#) [🔗 Tiran-Sarith](#)

## INTRODUCTION

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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

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<b>Faculty of Engineering, University of Ruhuna</b> Bachelor of Science (Hons) in Engineering - Specializing in Computer Engineering	<i>March 2022 – present</i> <i>CGPA : 3.3/4.0</i>
<b>Maliyadeva College Kurunegala</b> 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

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### 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

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- **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
- **Cloud and DevOps Tools:**  
Docker, Kubernetes
- **Cloud Platforms:**  
AWS

## LICENSES AND CERTIFICATIONS

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

## ACHIEVEMENTS

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- 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 *2013 - 2014*
- **Member** of the University Hockey team *2023*

## EXPERIENCES IN CLUBS AND SOCIETIES

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- **Local Committee Vice President Finance and Legal -AIESEC** in University of Ruhuna *2024-2025*
- **Team Leader** - OGX B2B AIESEC in Ruhuna *2023*


## VOLUNTEERING

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- Volunteered in **Project Green Leaders** and completed a 1.5-month volunteering web site designing project in **Surat, India** *2023*

## REFERENCE

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**Dr.Prabath Weerasinghe**  
Senior Lecturer  
Department of Electrical Engineering,  
University of Ruhuna  
Email: [weera@ie.ruh.ac.lk](mailto:weera@ie.ruh.ac.lk)   
Phone: +94 717056638