

# Tiran Sarith Wijerathne

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## 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 using MERN and Spring boot, 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 have a solid understanding of the fundamentals of the cloud. 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 : 3.4/4.0</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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### Demo project deployment in a Kubernetes cluster [🔗](#)

- **Introduction:** I have deployed a demo application with Tomcat, RabbitMQ and Memcache on a kubernetes cluster in AWS.
- **Technologies:** Kubernetes, Docker, AWS

### AWS Infrastructure Automation using Terraform [🔗](#)

- **Introduction:** Deployed a sample project in AWS using Terraform, provisioning resources like EC2, S3, and RDS. Designed modular Terraform scripts for scalability and automation while implementing IaC best practices.
- **Technologies:** AWS, Terraform, IaC

### E-commerce Web site using Spring Boot [🔗](#)

- **Introduction:** An ongoing Spring Boot project where I have done the back-end development using Spring boot. I 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.

### 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 with custom GPT key for CV evaluation.
- **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.

### Automated Data Retrieval with Ansible

- **Introduction:** I developed an Ansible playbook to efficiently retrieve and process data from a CSV file stored in a Git repository. By utilizing Ansible modules for fetching, parsing, and processing the CSV data, I integrated Git operations within the playbook to ensure seamless data synchronization. This enhancement streamlined automation workflows and eliminated the need for manual data retrieval efforts.
- **Technologies:** Ansible, Git, YAML, Shell Scripting






## 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
- **DevOps Tools:**  
Docker, Kubernetes, Jenkins, CI/CD, Terraform, Linux, Ansible
- **Cloud Platforms:**  
AWS, Azure

## LICENSES AND CERTIFICATIONS

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<b>Microsoft Certified: Azure Fundamentals(AZ-900)</b> Microsoft	<a href="#">Credentials</a> 
<b>DevOps Beginners to advanced with projects</b> Udemy	<a href="#">Credentials</a> 
<b>Completion Certificate for Introduction to DevOps</b> IBM	<a href="#">Credentials</a> 
<b>Leadership Management Skills For Business - Managing Employees</b> Alison	<a href="#">Credentials</a> 
<b>Jenkins for Beginners</b> KodeKloud	<a href="#">Credentials</a> 

## 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**  
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