

# Malinga Samarakoon

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## SUMMARY

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As an ambitious undergraduate and tech enthusiast, I am passionate about leveraging my skills to drive positive change in the world. Currently pursuing a degree in computer science, I am dedicated to continuous learning and staying at the forefront of technology. Eager to contribute innovative solutions, I aspire to make a meaningful impact through my knowledge and expertise.

## EXPERIENCE

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### FREELANCING WEB DEVELOPER

2022 – Present | Sri Lanka

- Developed and maintained responsive web applications using React, Angular, and the MERN stack for various clients.
- Designed backend solutions with Node.js, Express.js, MongoDB, and MySQL, focusing on scalability and security.
- Collaborated with clients to gather requirements, provide technical consultations, and deliver customized solutions.
- Integrated APIs and third-party services like Firebase to enhance application functionality.

### UNIVERSITY OF PERADENIYA | DESIGNER OF SCIENCE REPORTER

2022 – 2023 | Peradeniya, Sri Lanka

- Designed content for the Science Reporter, contributing to the university's science communication efforts.
- Collaborated with the Science Student Union as a former designer, enhancing visual materials for events.

## PROJECTS

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### DATA QUEST | INTERACTIVE DATA COLLECTION SYSTEM

Aug 2024 – Oct 2024 | Peradeniya, Sri Lanka

- Built a system for 200 users at the Faculty of Management using React.js and Firebase.
- Streamlined data collection with secure authentication and efficient database management.

### GYM MANAGEMENT SYSTEM | WEB-BASED APPLICATION

Mar 2024 – Jun 2024

- Developed a system using PHP, MySQL, HTML, Bootstrap, and JavaScript for gym operations.
- Features include member registration, progress tracking, and admin dashboards for reports.

### TUTOR'S MERN EXAM RECORDS PORTAL | STUDENT MANAGEMENT SYSTEM

Mar 2024 – Jun 2024

- Created a MERN-based portal with role-based authentication, OTP verification, and automated Z-score calculation.
- Included features like PDF result generation, blog platform, and video class system with payment integration.

### MALICIOUS FILE BLOCKER | CHROME EXTENSION

Apr 2024 – May 2024

- Designed a Chrome extension to scan and block malicious file downloads in real-time.
- Integrated with a backend service to enhance user security during internet browsing.

### TODO MASTER | TASK MANAGEMENT MOBILE APP

Apr 2024 – May 2024

- Developed an Android app using Java and Firebase with features like task creation and reminders.
- Implemented user authentication, data persistence, and dark mode support for better usability.

### REAL-TIME WEATHER APP | ANGULAR-BASED APPLICATION

Jan 2024 – Feb 2024

- Built a weather app using Angular, integrating the OpenWeather API for real-time data.

- Delivered accurate temperature, conditions, and forecasts with a seamless user experience.

## EVENT REGISTRATION SYSTEM | SINHALA AND TAMIL NEW YEAR GAMES

Jan 2023 – Mar 2023 | Peradeniya, Sri Lanka

- Developed a web app using the MERN stack with JWT authentication for event registration.
- Independently managed the project, showcasing skills in full-stack development and scalable solutions.

## DEVOPS CAPSTONE PROJECT | IBM CERTIFICATION PROJECT

2023 – 2024

- Designed and deployed a full-stack website to the cloud using Docker, Kubernetes, and Openshift.
- Gained expertise in DevOps, Agile methodologies, and application security enhancement.

## SKILLS

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### LANGUAGES :

• JavaScript • Java • Python C • C++ • PHP • SQL

### TECHNOLOGIES & LIBRARIES :

• React • Angular • Spring Boot Node.js • React Native • Flask

### CONCEPTS & METHODOLOGIES :

• Full-Stack Development • DevOps Practices Web Security • Agile Development API Integration  
• Database Management

## COURSES AND CERTIFICATIONS

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### COURSES

**AWS ACADEMY CLOUD FOUNDATIONS** Aug 2024 – Dec 2024 | University of Moratuwa, Sri Lanka

- Studying cloud computing fundamentals, including AWS services, architecture, and security.

**CISCO CYBEROPS ASSOCIATE** Sep 2024 – Mar 2025 | University of Moratuwa, Sri Lanka

- Learning cybersecurity operations, threat analysis, and incident response techniques.

### CERTIFICATIONS

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|---------------------------------------|---------------------------|
| • Spring Boot 3, Spring 6 & Hibernate | Completed 2024   Udemy    |
| • IBM DevOps and Software Engineering | Completed 2023   Coursera |
| • Google Cybersecurity Specialization | Completed 2024   Coursera |
| • IoT Programming Specialization      | Completed 2024   Coursera |
| • IBM Machine Learning Specialization | Completed 2024   Coursera |

## EDUCATION

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### UNIVERSITY OF PERADENIYA | BSc (HONS) IN COMPUTER SCIENCE

In Progress | Peradeniya, Sri Lanka

**Coursework:** Object-oriented Programming (Java), Data Structures (Java), Database Management Systems, Computer Architecture, Web Programming I, Operating Systems Concepts, Computer Graphics, Object Oriented Analysis and Design, Server Side Web Programming, Software Engineering, Digital Image Processing, Design and Analysis of Algorithms, Artificial Intelligence, Advanced Computer Networks, Distributed Computing, Computer Vision, Neural Networks and Deep Learning, Software Project Management, Machine Learning  
Expected 2025

### ST. THOMAS' COLLEGE MATARA | GCE ADVANCED LEVEL

2019 | Matara, Sri Lanka

Stream - Biological Science | Z-Score - 1.3904 | Rank - 136