



# Chandupa Marapana

## Software Engineering Undergraduate

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Portfolio Website

## PROFILE

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I am a software engineering student with a passion for software and web development. Proficient in languages like Java, Python, and JavaScript. Skilled in front-end and back-end development, with experience in frameworks like React. Strong problem-solving abilities and a keen interest in staying updated with the latest technologies.

## EDUCATION

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2022 – present Colombo	<b>Reading BEng (hons) Software Engineering,</b> Informatics Institute of Technology
2019 – 2022 Kegalle	<b>GCE Advanced Level,</b> Kegalu Vidyalyaya Completed Advanced Level in the Maths Field
2018 Kegalle	<b>GCE Ordinary Level,</b> Royal International School Kegalle Completed GCE ordinary Level in 2018

## DEGREE MODULES

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**Software Development**

**Web Designing and Development**

**Object Oriented Programming**

**Database Systems**

**Computer Systems and Fundamentals**

**Server Side Web Development**

**Software Development Group Project**

**Algorithms: Theory, Design and Implementation**

## PROJECTS

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**GestureSway, Hand gesture based snake game,** (Python, React, MongoDB, nodeJs )

GestureSway, a collaborative second-year project with five members, presents a web application housing a snake game controlled through hand gesture recognition technology. Designed with machine learning for gesture recognition and the MERN stack for web development, our platform mainly targets the patients with hand mobility issues.

**Shopping Manager Console,** (Java, JavaSwing)

A shopping manager console was created using java and a user interface of the shopping center was created using javaswing. This project was an individual coursework for the Object Oriented Programming module

### **Queue Management System, (Java)**

This was coursework in the Software development 2 module in the 1st year, where a queue management system for a burger shop was developed using Java

### **CricZone - Website for Cricket lovers, ( HTML , CSS , Javascript )**

This was a group project consisting of 4 members where a website about cricket was developed using HTML,CSS and Javascript .

### **Progression Prediction System, ( Python )**

This was a Coursework for the 1st year Software development 1 module, where a Progression Prediction System for students in an institute was developed using python.

### **Number Guessing game, ( Python )**

A number guessing game was created using python where the user must guess the correct number sequence with having limited number of chances

## **SKILLS**

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**Technical Skills,** React, php, Mongodb, Node.js, Java , Javasing, Python, HTML, CSS, Javascript, SQL, GIT, Microsoft Office

**Soft Skills,** Team Work, Time Management, Leadership, Quick Learner, Hardworking, Communication, Active listening, Self Motivation

## **EXPERIENCE AND ACHIEVEMENTS**

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**Member of the IEEE Club of IIT**

**Member of the IEEE Computer Socceity of IIT**

**Member of the Rotaract Club of IIT**

**Senior Prefect,** Royal International School Kegalle

**Member of the School Western Band,** Royal International School Kegalle

**Junoir Prefect,** Royal International School Kegalle

**Tech Triathlon - Designation Challenge,** Participated in a hackathon organized by Rootcode labs.

## **NON-RELATED REFEREES**

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**Hasini Kasthuriarachchi,** Assistant Lecturer

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Informatics Institution of Technology, Sri Lanka

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## **DECLARATION**

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I declare that the information provided in this CV is accurate and complete to the best of my knowledge