



# RUCHIRA THARAKA

## COMPUTER ENGINEERING UNDERGRADUATE

### PERSONAL PROFILE

I'm a versatile, highly motivated individual with a passion for innovation and problem-solving. Have a strong foundation in programming languages and hardware design, complemented by practical experience. Also, a fast learner who is committed to staying updated with emerging technologies and eager to contribute to cutting-edge projects in the technology field.

### CONTACT ME



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<https://github.com/RuchiraTharaka>



<https://www.linkedin.com/in/ruchira-tharaka-51423b212/>

### SKILLS

- **Programming Languages** (C, Java, Python)
- **Algorithm and Data Structures**
- **Mobile App Dev** (Android Studio, Flutter)
- **Database Management System** (MySQL)
- **Frontend Development** (html, CSS, js)
- **3D Designing** (Autocad, Blender)
- **3D Rendering** (Three.js)
- **Cloud Computing** (AWS)
- **Embedded Hardware** (Arduino)

### EDUCATIONAL HISTORY

**Bachelor of Science of Engineering (UG)** CGPA 3.809/4.0

University Of Peradeniya

**G.C.E. Advanced Level** 2018

Ananda College - Colombo

2A, 1B - Physical Science Z score - 1.8414

**G.C.E. Ordinar Level** 2015

Ananda College - Colombo

9A's - Commerce, Art, Health

### WORK EXPERIENCE

**Commercial Bank of Ceylon** 2019

Worked 9 months as a Banking Trainee.

### PROJECT EXPERIENCE

**Patient Monitoring System for Ambulances** 2023

Web Application, Mobile Application, Embedded Device

A project contains a Web Application, Mobile Application and an Embedded Hardware to monitor health parameters and location of, the patients travelling in Ambulances.

**Technologies :** **Flutter, AWS, Arduino, Fusion 360, MQTT, Python PlatformIO, Flutterdriver, HTML, CSS**

*Contribution : Cloud Computing(AWS), Embedded Device (Arduino)*

**Interactive Department App** 2022

Web Application

Up to date web-based 3D map for the Department of Computer Engineering building including all labs, staff rooms, server room, lecture rooms etc.

**Technologies :** **JS, HTML, CSS, THREE.JS, JSON, BLENDER**

*Contribution : Part of the Website*

**Tutoring Database Management System** 2021

Web Application

System that manages all the data including Centers, School Students and University Students who are involved with the tutoring project, Administrators, Sessions etc..

**Technologies :** **PHP, HTML, CSS, MYSQL**

*Contribution : Part of the Website*

**Bluetooth Messaging App** 2021

Android Application

Android communicating app which is based on Bluetooth technology.

**Technologies :** **JAVA, ANDROID STUDIO, BLUETOOTH, SQLITE, JSON**

*Contribution : Part of the App (UI)*