



RUCHIRA THARAKA

COMPUTER ENGINEERING UNDERGRADUATE

PERSONAL PROFILE

I'm aversatile, 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)

EDUCATION

Bachelor of Science of Engineering (UG)

CGPA 3.85/4.0

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)