



# SACHITH DISSANAYAKA

COMPUTER ENGINEERING UNDERGRAGUATE

## PROFILE

Dedicated, hardworking, and self-motivated individual with a passion for computer engineering. I love solving difficult problems and working in places where people come together to create new things. Seeking a trainee position to learn more and become successful in the industry. I'm excited to grow and make a positive difference.

## ACADEMIC QUALIFICATIONS

### BscEngHons

Specializing in Computer Engineering  
Peradeniya University(2021)  
Current GPA : 3.25/4.0

### Successfully completed

**G.C.E.** Advanced Level with  
2A passes, 1B pass and  
ranked as 14th (2019)

## ONLINE COURSES & CERTIFICATIONS

### ● The Complete 2024 Web Development Bootcamp

Platform: Udemy

Skills: Js, Node, React, PostgreSQL, Web3, DApps and HTML&CSS

Certificate Link: [View Certificate](#)

### ● DevOps Beginners to Advanced with Projects

Platform: Udemy

Skills: AWS, Linux, Scripts, Jenkins, Ansible, GitOps, Docker, Kubernetes

Certificate Link: [View Certificate](#)

### ● Deep Learning & Neural Networks

Platform: EDXCOPE

Skills: Python, Flask, Deep Learning, Neural Networks

Certificate Link: [View Certificate](#)

### ● Master the Coding Interview: Data Structures + Algorithms

Platform: Udemy

Skills: Data Structure , Algorithms

Certificate Link: [View Certificate](#)

### ● Flutter Advanced Course - Clean Architecture With MVVM

Platform: Udemy

Certificate Link: [View Certificate](#)

For more certificates: [View Certifications on LinkedIn](#)

## PROJECTS AND INNOVATIONS

### ● Project-Smart-Water-Tank (Group)

Smart Water Tank enhances water management with web and mobile access. It utilizes a Node.js backend API for accessing endpoints via mobile and web frontends. The deployment is done using AWS EC2, and MQTT is used as a message broker to facilitate communication between hardware and the backend.

**Available at:** [Github Repository](#)

**Used Technologies:** React js, Node js, Flutter, MQTT, MongoDB, Aws, Esp32

## CONTACT INFO



070 5156085



[sachithdissanayaka7531@gmail.com](mailto:sachithdissanayaka7531@gmail.com)



[sachith-dissanayaka](https://www.linkedin.com/in/sachith-dissanayaka)



[sachithdissanayaka99](https://github.com/sachithdissanayaka99)



[www.sachithdissanayaka.me](http://www.sachithdissanayaka.me)



[students/e19/087/](#)



[@sachithdissanayaka1357](#)



No. 81/1 D2 Ela Kalagediara,  
Embilipitiya, Sri Lanka.

## SKILLS

### PROGRAMMING LANGUAGES

Java, Python, Java Script, Dart, C, PHP, HTML/CSS

### DATABASE MANAGEMENT

MySQL, MongoDB

### SOFTWARE FRAMEWORKS

SpringBoot, React, Node js, Flutter, Android Studio, Laravel

### OTHER TECHNICAL SKILLS

- **DevOps** (Aws Cloud Services, Containerization(Docker, Kubernetes), CI/CD(Jenkins ), Configuration(Ansible), aC(Terraform), Version Control(Git,GitHub) )
- Microservices
- Data Mining Machine Learning
- Object Oriented Programming
- Data Structures,
- Algorithms,
- Deep Leaning
- Software Design Patternes

## LANGUAGES

English

Sinhala

- **Empowering-Counselors-and-Students-through-Interactive-Web-and-Mobile-App(Group)**  
Empowering the app, it streamlines counseling, enhances communication, and offers personalized support. Firebase serves as the BaaS in the Flutter Web Version, while in another version, we utilize a Node.js backend API with a React.js frontend  
**Available at:** [Github Repository](#) (Flutter Web Version)  
**Available at:** [Github Repository](#) (React & Nodejs Web Version)  
**Used Technologies:** React js, Flutter, MySQL, Firebase, Node js
- **Sproutopia-Baby Developing Tracking System (Group)**  
User-friendly software tracks comprehensive baby development progress efficiently and effectively. Using The Springboot Backend Api and React Frontend  
**Available at:** [Github Repository](#)  
**Used Technologies:** React js, SpringBoot, MySQL
- **Personalized Promotions using Credit Card History( Group,Ongoing)**  
Leverages ML and data mining for tailored promotions based on credit. personalized recommendations for credit-based incentives. card usage to boost engagement and sales.  
**Available at:** [Github Repository](#)  
**Used Technologies:** Python(Model Developments), Flask(Frontend & Api Development),
- **Airline Booking System(Group)**  
The Airline Booking Database System efficiently manages flight reservations and schedules, handling flight schedules, passenger reservations, and bookings. This is second-year database system project primarily focuses on database management.  
**Available at:** [Github Repository](#)  
**Used Technologies:** React js, SpringBoot, MySQL
- **Autonomous Land Vehicle System for agriculture(Group,Ongoing)**  
Autonomous system innovates farming with vehicles designed for precision and efficiency in agricultural operations.  
**Available at:** [Github Repository](#)
- **Social App with simple microservice architecture(Individual)**  
A social app with a streamlined microservice architecture, fostering connectivity in user interactions.  
**Available at:** [Github Repository](#)  
**Used Technologies:** React js, Node js, MySQL
- **Medical Prescription Upload(Individual)**  
Medical prescription upload platform simplifies healthcare process for professionals and patients.  
**Available at:** [Github Repository](#)  
**Used Technologies:** Php, Laravel

## PROFESSIONAL RESPONSIBILITIES AND ROLES

Committee Member : Vibhava Literary Association- Peradeniya University of Sri Lanka (2022 - Present)  
Committee Member : School Science Society (2015 - 2017)  
Committee Member : School Cricket Club (2013 - 2017)

## SOFT SKILLS

Leadership, Flexibility, Fast-learner, Teamwork Work under pressure

## REFEREES

### Prof. Roshan G. Ragel (BScEng | PhD)

Professor,  
Head of the Department,  
Department of Computer Engineering  
University of Peradeniya ,Sri Lanka  
Mobile : +94 81 239 3913  
Email : roshanr@eng.pdn.ac.lk

### Dr. Asitha Bandaranayake (BScEng | PhD)

Senior Lecturer,  
Department of Computer Engineering  
University of Peradeniya ,Sri Lanka  
Mobile : +94 71 511 7771  
Email : asithab@eng.pdn.ac.lk