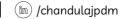
# JPDM CHANDULA

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DEPARTMENT OF COMPUTER ENGINEERING, UNIVERSITY OF PERADENIYA

### **PROFILE**

I am an enthusiastic, self-motivated, reliable, responsible, and hard-working person. I am able to work well both in a team environment as well as using my own initiative. I am willing to acquire valuable experience by working in a reputed organization investing the best of my Engineering knowledge to serve the organization and the country.

### WORK EXPERIENCE

#### Software Engineer Intern at Network & Communication Service Unit, UOP

January 2022 - June 2022

- Involvement in three major projects. (University Personal Website Development, Server analyzer application, Network management)
- Designed web application using Figma and use MVC architecture to develop the web application.
- Worked with the project supervisor, technical officers, and a team of four developers.
- · Worked with docker containers, Microsoft active directory, and GitHub version control.

#### **EDUCATION**

#### University of Peradeniya

BSc. Engineering (Specialize in Computer Engineering)

2017 - Present

CGPA: 3.52/4.00

## Ananda College, Colombo

G.C.F. Advanced Level Examination

2013 - 2016

Z-Score: 1.8850

## INTERESTS

- Cubersecurity
- Web development
- Networking
- Music
- Football

## **SKILLS**

**Programming Languages** 

**Application Development** 

**Database** 

**Cloud Computing Operating Systems** 

Hardware Programming

Circuit Simulation & Design Proteus, EasyEDA

**Version Control** 

C, Python, Java, JavaScript, MATLAB

HTML, CSS, ReactJS, NodeJS, Laravel

MySQL, MongoDB

AWS, Azure

Linux, Windows

Arduino, Verilog HDL

Git

### **CERTIFICATIONS**

Introduction to Cybersecurity

Issued by Cisco Networking Academy

2021

Microsoft Azure Fundamentals

Issued by Microsoft

2021

Software Analysis and Testing

Issued by Udacity

2022

### **PROJECTS**

## Configurable ECU Emulator for Digital July 2022 - Present Twins in Car Manufacturing Industry

**Group Project** 

- This is our final year research project and here we are trying to build a performance enhance ECU emulator.
- **Technologies :** C++, Computer Architecture
- GitHub Repo

#### Smart Pill Manager

2020 - 2021

**Group Project** 

- This project is about a device that we called a smart pill manager to help patients to get their medicine according to the given routine.
- **Contribution**: Developed the front-end and the back-end website and deployed to the cloud, Design the device architecture, Program the hardware components
- **Technologies:** MERN stack, JavaScript, AWS/Azure cloud, C++, EasyEDA
- GitHub Repo

#### Hospital Management System

2020

**Group Project** 

- This is a web application to help hospitals to interact with their patients more efficiently.
- **Contribution**: Developed the front-end, back-end, and database of the website.
- Technologies: HTML, CSS, MySQL
- GitHub Repo

Caliber 2020

**Group Project** 

- Caliber is a device to identify rotten tomatoes and separate rotten tomatoes from good tomatoes.
- Contribution: Developed the identification of rotten tomatoes.
- Technologies: Python, MATLAB, OpenCV

#### 8-bit CPU Implementation

2019

Individual Project

- Implement an 8-bit ALU with memory management that support instruction such as add, sub, and, or, j, beq, mov and loadi.
- Technologies: Verilog HDL

Auction server 2019

Group Project

- Implement a simple auction server using java that can be used by clients to bid for items in the stocks.
- Contribution: Designed the UI, Socket programming
- Technologies: Java

# TEACHING EXPERIENCE

Volunteer Instructor(Teaching assistant)

Department of Computer Engineering 2021

Volunteer teacher(Arunalla project)

Ampara Tampitiya Vidyalaya 2019

## EXTRACURRICULAR ACTIVITIY

- Member of ACES club at the University of Peradeniya.
- Member of Rotaract club University of Peradeniya.
- Member of Lumbini college cricket 'A' team.
- Member of Kangaroo swimming club, Wellawattha.
- Member of the school chess team.

## NON-RELATED REFERENCES

#### Dr. Asitha Bandaranayake

Senior Lecturer
Faculty of Engineering
University of Peradeniya
Email To: asithab@pdn.ac.lk

#### **Dr. Isuru Nawinne**

Senior Lecturer
Faculty of Engineering
University of Peradeniya
Email To: isurunawinne@pdn.ac.lk

I do hereby declare that the given above are true and accurate reflection of my skills and experience to the best of my knowledge.

December 26, 2022 chandula - cv