Shirly Madushanka

BSc. Computer Engineering (UG), University of Peradeniya.

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EXPERIENCE

99x Technology Ltd Walukarama Rd, Colombo 3.
Trainee Software Engineer

JAN 2022 - PRESENT

Syeta Labs Peradeniya, SriLanka.
Junior Software Engineer

JAN 2021 - DEC 2021

Department Of Computer Engineering
Peradeniya, Srilanka.

Volunteer Instructor (Teaching Assistant)

JAN 2020 - DEC 2020

EDUCATION

B.Sc Engineering, University of Peradeniya.
Specializing in Computer Engineering.

NOV 2017 - PRESENT

Current GPA : 3.594 Out of 4

PROJECTS

Itourist, Client Project.

NOV 2021 - JAN 2022

A platform to manage your day to day tours. Contributed with implementing the backend using NestJ framework and deploying the full application in google cloud.

DVote, Client Project.

JAN 2021 - APR 2021

A Decentralized platform for voting. Contributed with implementing the frontend using VueJs and interacting with ethereum network using Web3 framework.

SKILLS

Programming Languages
C, Java, JavaScript, TypeScript, Python, Dart, PHP

Procedural programming
ARM Assembly

Hardware programming
VHDL, Arduino

Version control
git

Application Development
- Frontend - HTML,CSS,SCSS,JS, VueJs
- BackEnd - NodeJs with ExpressJs, Laravel
- Mobile - Flutter
- DB - MySql, MongoDB

Numerical Computing
Matlab

Circuit and Design
Proteus

DevOps
Docker, GitHub CI

Agile Tools
Jira

INTERESTS

- Computer Architecture
- Computer Networking and Security
- DevOps and System Administration
- Full - Stack Development
- DApp Development

WaiterBot System, 3rd year UOP (GROUP).

2020 - PRESENT

A System of waiter robots with smart food ordering for a restaurant. Contributed with implementing the backend using NodeJs, ExpressJs and Socket.IO

Ecom platform, SyetaLabs.

JAN 2021 - PRESENT

Ecommerce platform built using Vue.js and typescript and Nodejs graphql API.

Contributing with developing the frontend using Vuejs.

RV32IM Pipeline processor, 3rd year UOP (GROUP).

JUNE 2021 - PRESENT

A RISC-V pipeline processor with base Integer ISA with Integer multiplication and division.

MyStore, 3rd year UOP (GROUP).

JUNE 2021 - PRESENT

A platform for a small and medium scale business to manage their inventory and to sell their products online. MyStore includes a web, mobile application for the customers to purchase products and a desktop application for the shop owner to manage the inventory and to sell the products.

Contribution : System Design, Implementation of the mobile application

Student Management System, 2nd year UOP (GROUP).

2019 - 2020

A System for managing the students of a tuition institute. Contributed with implementing the backend, frontend using laravel and Socket.IO

Crypto currency info bot, Client Project.

FEB 2021

A System for automatically handling the client requests. Implemented using Nodejs.

REFEREES

Dr. Isuru Nawinna
Senior Lecturer,
Faculty Of Engineering,
University of Peradeniya.
isurunawinne@eng.pdn.ac.lk

Mr. Sathyanga Tharana
Co-founder,
Syeta Labs,
Peradeniya.
stharana@syetalabs.io

MINI PROJECTS

8-bit CPU WITH MEMORY HIERARCHY
Design and implement a simple CPU with a memory subsystem using VHDL.

Simple Shell
Implement simple shell programs in C language.

QR reader
Simple QR reader built with Flutter.

EXTRA-CURRICULAR ACTIVITIES

- Field Representative of Department of Computer Engineering - 2nd year
- Committee member of the EFI committee UOP.
- Member of the Web team, Association of Computer Engineering Students, UOP.
- School Prefect at Kotapola National College.