

VIRAJ DHANUSHKA

Matara, Sri Lanka +94714897508 smviraj@gmail.com Portfolio LinkedIn GitHub




PERSONAL STATEMENT

A motivated, adaptable and responsible computer engineering undergraduate seeking opportunities to utilize professional and technical skills through work experiences in this field. Have good knowledge of web / mobile application development and technologies related to it. Highly interested in learning and teaching new technologies. Very keen to do projects and organize activities with team effort.

WORK EXPERIENCE

WSO2 Lanka (Pvt) Ltd [2022 - 06 month Internship]	Software Engineer Intern
Thinkhash (Pvt) Ltd [2022 - 05 months]	Full Stack Developer
Self Employed [2021 - Present]	Freelancer / Python Instructor

EDUCATION

 University of Peradeniya, Sri Lanka	2017 - Present
<ul style="list-style-type: none">BSc. Engineering in Computer Engineering – Second Class (Lower Division)ETIC Facilitate Certificate - Engineering Technology Incubation Center provide an ecosystem where the successfully completed projects will be incubated into products of commercial valueActive member at IEEE SB, ACES, University Explorers' Club, AIESEC in Kandy	
 National Institute of Technology Calicut, India	2019
<ul style="list-style-type: none">Scholarship (2 weeks of training under a grant awarded by India Sri Lanka Foundation)Studied Numerical Methods for ODEs with MATLAB and Computer Architecture	
 Rahula college, Matara, Sri Lanka	2001-2015
<ul style="list-style-type: none">GCE A/L in Physical Science – Combined Mathematics (A), Physics (B), Chemistry (B), English (A)Active member at ICT Society (Organizer), Science Society (Organizing Committee member)	

PROJECTS

Projects Done for Academic Evaluations ([Link to All the Projects](#))

Food Recommendation System Using Machine Learning for Diabetic Patients (Team Lead) [Final Year Research Project - Ongoing] Recommend proper foods for diabetic patients in the context of nutrition & food characteristics by developing a machine learning based intelligent application	Flutter, Azure Machine Learning Studio, Python, scikit-learn, Open Food Facts
Digital Signage Based User Targeted Advertising (Team Lead) [Link] A Signage platform that uses Deep Learning techniques to display the most matching advertisements for people considering their age and gender	Flutter, Firebase, OpenCV, Python, Arduino, Bash, MQTT, Raspberry Pi, NodeMCU, Bootstrap
Sale Library (Team Lead) [Link] A web platform that allows users to buy, exchange, sell books with advanced searching, filtering, sorting techniques and chat functionalities	Drupal, PHP, MySQL
Verilog based CPU (Individual) [Link] A 32-bit CPU that supports simple instructions with caching	Verilog HDL, C
Auction System (Team Lead) [Link] A server and a client interface implementation for bidding in the stock exchange	Java, Socket Programming
Fractals Implementation (Individual) [Link] Fractals Implementation using multi-threading and synchronization techniques	Java

Projects Done Apart from the University

Find Delivery (Team Lead) [Available on Google Play Store] A mobile application to find closest shops to streamline home delivery of products using cloud functions driven push notifications	Flutter, Firebase, API Integration (Google Maps API)
Cloud Security Status Monitoring Tool (WSO2 Internal App) [Link] A full-stack web app to monitor SAST pipelines in GitHub repositories	React JS, Material UI, Ballerina Cosmos DB, Choreo, Asgardeo
OpenEMR-Mobile App (Open-Source Contributor) [Link] Contributed project for Google Summer of Code - 2021	Flutter, Firebase
WSO2 - Ballerina Extended Library (Open-Source Contributor) [Link] Fix issues in Cosmos DB connector and introduce new features to GitHub connector	Ballerina, CosmosDB Connector, GitHub Connector
Food Point (Freelancer) [Link] A mobile app for a restaurant	Flutter, API Integration
Sales App (Freelancer) [Link] A mobile application to analyze sales details using different graphs	Flutter, API Integration

Soil Moisture Based Smart Water Controlling System (Team Lead) [Link]
An automated irrigation controlling system to monitor using a mobile application

Uniboard (Team Lead) [Link]
A mobile app with cloud functions driven push notifications

Dengue-Stop (Open-Source Contributor) [Link]
Contributed project for Google Summer of Code - 2020

Flutter, Firebase,
 Arduino, NodeMCU
 Java, Firebase
 Flutter, Firebase

AWARDS & ACHIEVEMENTS [\(Link to All Participated Competitions\)](#)

Microsoft Imagine Cup 2022 [Team Lead] **World Finalist**
Organized by Microsoft *Among the top 48 teams in the world*

Microsoft Identity for All 2022 [Team Lead] **Winner** (Honorable Mentions)
Organized by Microsoft *From 450+ global participants*

Microsoft Virtual Hackathon 2022 [Team Lead] **Semifinalist** (Phase 1)
Organized by Microsoft *Among the top 34 teams from 15 countries*

Ballerina - WSO2 Global Hackathon 2022 [Individual] **Consolation Prize Winner**
Organized by WSO2 *Rank 44*

Special Call for Proposals Related to CoViD'19 [Individual] **Winner**
Organized by IEEE R10 in 2020 *Among the top 5 projects of the largest IEEE region*

National Ingenuity awards [Team Lead] **Best Innovative Project - Central Province**
Organized by SLASSCOM in 2021

Undergraduate Inventor of the Year (UIY) 2021 [Team Lead] **Country Rank: 3**
Organized by IESL in 2021 **Best Short Video** (Country Rank: 1)

Hackfest- Inter-University Hackathon [Team Lead] **Country Rank: 1**
Organized by General Sir John Kotelawala Defense University, 2021

versusCOVID- Inter-University Hackathon [Individual] **Country Rank: 2**
Organized by University of Peradeniya in 2020

ACES Hackathon- Intra-University Hackathon [Team Lead] **1st place** (20+ teams)
Organized by University of Peradeniya in 2019

hackX- Inter-University Startup Challenge [Team Lead] **Finalist** (100+ teams)
Organized by University of Kelaniya in 2020

ACES Coders - Largest Algorithmic Coding Competition in Sri Lanka **Country Rank: 8**
Organized by University of Peradeniya in 2020

Hakathon Xtreme - Algorithmic Coding Competition **Country Rank: 8**
Organized by University of Moratuwa in 2019

Sri Lankan Robotics Challenge - Robotics Competition **Country Rank: 2**
Organized by University of Moratuwa in 2015

SKILLS

Programming Languages Python, Dart, Ballerina, Java, C, Haskell, Verilog, MATLAB

Mobile Applications Flutter, React-Native, Java

Web Applications React JS, Material UI, Drupal, WordPress, Bootstrap

Cloud Computing Firebase, Azure Cosmos DB, Azure App Service

Embedded devices Raspberry Pi, Arduino, NodeMCU

Other Skills Git (GitHub), Android Studio, VS Code, IntelliJ IDEA, Touch Typing

EXTRA CURRICULAR ACTIVITIES

Microsoft Learn Student Ambassadors program [2021 - Present] **Alpha / Beta Student Ambassador**

IEEE Xtreme [2021 - 2022] **Ambassador**

IEEE Student Branch – University of Peradeniya [2021 - 2022] **Program Committee Lead**

Project Nenathambara [2021 - Present] **Volunteer**

IEEE SLSYWC'20 **Team Lead**

IEEE Region 10 SYWL Congress 2020 **Speaker**

OpenTech Summit Sri Lanka 2020 (OpenTech and FOSSASIA) **Volunteer**

AIESEC in Kandy, Blue Marble 15.0 [Term 19/20] **Organizing Committee Vice President**

REFERENCES

Professor Roshan G. Ragel
 Professor, Dept. of Computer Engineering
 University of Peradeniya
 roshanr@eng.pdn.ac.lk
 +9481 239 3913

Dr. Isuru Nawinne
 Senior Lecturer, Dept. of Computer Engineering
 University of Peradeniya
 isurunawinne@eng.pdn.ac.lk
 +9471 849 5506