



SHEHAN ERANGA VANDERPUTT

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PORTFOLIO BLOG: <https://shehanv.azurewebsites.net/>

BLOGS: <https://techstanis.wordpress.com> <https://itecTricks.blogspot.com>

GITHUB: <https://github.com/stanislous>

HACKERRANK: <https://hackerrank.com/iRoboTs>

STACK-OVERFLOW: <https://stackoverflow/users/6484447/cosmics>

EDUCATION

The University of Peradeniya, Sri Lanka.

Bachelor of Science in Computer Engineering.

GPA : 2.80 out of 4.00

PROJECTS

✓ Final Year Project – Portable Executable Scanner [Group Project]

DLL Scanner's job basically is to read a DLL/EXE file and extract information inside that compiled code. Version 1 of the tool is published in source forge. Official website is hosted in Azure.

Technologies: Visual Studio 2017, C#, Bootstrap 4, Microsoft Azure

✓ Wearable Device that Remotely Controls a Robot Arm [Group Project]

Controlling the robot arm remotely over Wi-Fi. The device uses the location of the human hand to move the hand of the robot arm but not imitate the shape of the hand.

Technologies: Arduino programming in C, JavaScripts, Nodejs

✓ GPU based Parallel Audio Processing System [Group Project]

Real-time equalization GPU extended this technique to parallel signal equalization.

Technologies: C, CUDA C, MATLAB

✓ Contributing to the Open Source Project

TEAMMATES is a free online tool for managing peer evaluations and other feedback paths of students. It is provided as a cloud-based service for students. I contributed to this open project.

Technologies: HTML, Bootstrap, JavaScript

✓ Online Multiplayer Game [Group Project]

Web application project for sending appropriate game logic to the user using a servlet according to data which are sent by the user.

Technologies: Java EE

✓ Auction Server [Individual Project]

Handling multiple threads (Users) using a single web socket and maps the user to a different port and frees the base socket.

Technologies: Java SE

Hardware: Arduino Mage, Wi-Fi module, Robot Arm

✓ The Lister [Individual Project]

The Lister is a kernel module that iterates through all current tasks in the operating system and show them.

COMPETITIONS

✓ SAITM Robotics Challenge - 2016

An autonomous line following robot that can collect rings and stack them on a pole within the shortest possible time in a grid-based arena.

Technologies: Arduino programming in C

✓ ACES Hackathon – 2016

Android app and a message hub, that connect to the PC via Wi-Fi and reply to messages from your PC without seeing the phone.

Technologies: HTML, CSS, JavaScript, Android

✓ SLIIT Robo Fest Challenge - 2016

An autonomous robot that has the capability of finding the finish line in a mesh.

Technologies: Arduino programming in C

✓ IEEE Xtreme Coding Competition – 2016

24-hours coding competition to solve programming problems.

✓ HackX Hackathon – 2017

A conceptual idea of sharing stories build collaboratively by several people using drawing.

Technologies: Android

✓ Online coding competition in Hackerrank

Practicing competitions for 'Week of Code', 'Hour Rank', '101 Hack', 'Ad infinitum' etc.

Technologies: C, Java, Python, C++, C#

✓ ACES Hackathon – 2018

A system to control devices remotely when the user is out of the home.

Technologies: ASP.NET (C#), Entity Framework

CO-CURRICULAR ACTIVITIES

✓ Feast Mate and Smart Home

Developing two projects for Fiverr clients. [Currently working on]

Technologies: Balsamiq Mockups, Angular 5, Bootstrap 4, Reactjs

✓ Maintain Own Blog and Portfolio Website

Maintaining a blog is one of my habit. This blog consists of Agile, MVC, Java, Git, Angular and computer related stuff.

✓ Contributing the Stack Overflow

Contributing the Stack Overflow is also do it as a habit. According to my knowledge help others by answering the questions.

INDUSTRIAL TRAINING

✓ Induction Training Program

The self-defined project called 'NFC Peer-to-Peer Communication'.

Technologies: Android, NFC, Android Beam

✓ Event Management System Project

Event Management System is Platform for organizing and managing events in Tigris Pvt. Ltd. It is a newer project defined for interns and followed the agile scrum process.

Technologies (Skill Sets): C#, ASP.NET Core 2.0, .NET Core 2.0 WEB API, Entity Framework Core 2.0, Angular 5, Bootstrap 4, Git workflow, Balsamiq Mockups

Project Management (Agile): Jira, Confluence

✓ Kids Can Code

Coding practice sessions for children.

REFERENCES

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