



SHEHAN ERANGE VANDERPUTT

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Blogs: <https://ltectricks.blogspot.com> <https://techstanis.wordpress.com>

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

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

Stack Overflow: <https://stackoverflow/users/6484447/cosmics>

EDUCATION:

University of Peradeniya. Sri Lanka

Bachelor of Science in Computer Engineering

GPA 2.77

PROJECTS:

✓ Auction Server – 2016

This is a project on handling multiple threads (Users) using a single web socket. Once a user establishes a connection with the server, it maps the user to a different port and frees the base socket.

Technologies (Skill Sets): Java SE

✓ Software Engineering Project – GPU based Parallel Audio Processing System - 2016

This project we implemented real-time equalization GPU extended this technique to parallel signal equalization. These tasks have been tested on NVidia GeForce graphic card and high-performance NVidia Tesla GPU.

Technologies (Skill Sets): C, CUDA C, MATLAB

✓ Online Multiplayer Game - 2017

This is a Network and Web application project. Our task was to send appropriate game logic to the user using a servlet according to data which are sent by the user.

Technologies (Skill Sets): Java EE

✓ Embedded System Project – Wearable Device that Remotely Controls a Robot Arm - 2017

This is a wearable device that can remotely control a robotic arm. Our task was to control the arm remotely over Wi-Fi. This 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 (Skill Sets): Arduino programming in C, JavaScripts, Nodejs, Threejs,

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

✓ The Lister – 2017

A kernel module that lists all current tasks in a Linux system. The Lister is a kernel module that iterates through all tasks in the operating system. And showed the content using the DFS tree.

✓ Contributing to the Open Source Project – Teammates

TEAMMATES is a free online tool for managing peer evaluations and other feedback paths of your students. It is provided as a cloud-based service for students and is currently used by hundreds of universities across the world. I contributed to this open project. Link: <https://github.com/stanislous/teammates>

Technologies (Skill Sets): HTML, Bootstrap, JavaScript

COMPETITIONS:

✓ Participated in SAIM Robotics Challenge - 2016

The challenge is to develop an autonomous robot that can arrange objects in a grid-based arena. The challenge emulated a factory floor and challenges the robot to collect three rings and stack them on a pole within the shortest possible time. This is a line following robot.

✓ Participated in ACES Hackathon – 2016

Our task was to implement an Android-based software and a PC-based message Hub. Once you connect your phone to your

PC via Wi-Fi, you can read and reply to messages from your PC without seeing your phone.

Technologies (Skill Sets): HTML, CSS, JavaScript, Android

✓ **Participated in SLIIT Robo Fest Challenge - 2016**

Our task was to develop an autonomous robot that has the capability of finding the finish line in a mesh.

Technologies (Skill Sets): Arduino programming in C

Hardware: Arduino Mage, the Robot

✓ **Participated in IEEE Xtreme Coding Competition – 2016**

This is a 24 hours coding competition and had given to solve a set of programming problems.

✓ **Participated in HackX Hackathon – 2017**

That was a conceptual idea of sharing stories build collaboratively by several people using drawing. My task was to create a drawing board using Android.

Technologies (skill Sets): Android

✓ **Participated in online coding competition in Hackerrank**

Hackerrank is the best place to practice coding. Similarly, there are lots of online programming competitions. I practiced as a habit for 'Week of Code', 'Hour Rank', '101 Hack', 'Ad infinitum' etc.

Technologies (Skill Sets): C, Java, Python

INDUSTRIAL TRAINING

I worked as a software engineering intern at TIQRI Corporation (Pvt) Ltd from 11th September 2017 to 28th February 2018.

✓ **Induction Training Program**

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

Technologies (Skill Sets): Android, NFC, Android Beam

✓ **Event Management System Project**

Event Management System is Platform for organizing and managing events in Tiqui Pvt. Ltd. It is a newer project defined for interns. We 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.

Project Management: Jira, Confluence

Architecture: Clean Architecture

✓ **Kids Can Code Sessions**

I taught children coding as a volunteer in TIQRI.

CO-CURRICULAR ACTIVITIES

✓ **Mobile Billing Engine**

This is a Mobile Billing Engine that creates bills for the customers. Billing Engine is provided with List of registered customers and list of call details records which are created by above list of the customers.

Technologies (Skill Sets): C#, TDD

✓ **Smart Home**

I created a bootstrap website and converted into ReactJs.

Technologies (Skill Sets): HTML, Bootstrap, ReactJs

✓ **Windows Form App**

This is a Windows form app that retrieves data from the database through Entity Framework and shows in UI. Data can be created, add, update or delete.

Technologies (Skill Sets): C#, Entity Framework

✓ **Slide Puzzle**

I implemented a slide puzzle game in Java.

Technologies (Skill Sets): Java, Java FX

✓ **Maintain My Own Website**

Website maintaining is one of my habits. This website consists of Agile, MVC, Java, Git 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 they ask.