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HACKERRANK: https://hackerrank.com/iRoboTs

STACK-OVERFLOW: https://stackoverflow.com/users/6484447/cosmics

EDUCATION

The University of Peradeniya, Sri Lanka.

Bachelor of Science in Computer Engineering – 2018

PREVIOUS OCCUPATION

The Software Practice Pte Ltd [Jan 2019 – May 2020]

- ✓ **Automated Legal Agreement Generation Portal**

This is an Automated Legal Agreement Generation Portal to be used by over 2000 users. The portal helps users in two ways

- Helps identify appropriate legal agreement
- Takes users through a generated questionnaire (that handles conditional logic)
- Generates a word document-based user input

I was one of two developers on this project and was the **sole** backend developer. A user can select any predefined agreement document template and create with his data.

Technologies: ASP.NET Core 3.1, MSSQL Server, Vue, Git Workflow, Open XML

- ✓ **TSP Project Listing** [Currently working on]

Inhouse project. To handle ongoing projects in the company. The clients can upload their presentations, videos and all the details of the project. So, there would not be any mess. Developers can also view clients' updates. I implemented the full web app from DB design to frontend. For the frontend, I learnt jQuery and applied it.

Technologies: ASP.NET Core 3.1, MSSQL Server, Html, CSS, jQuery, Git

UNIVERSITY 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. The official website is hosted in Azure.

Technologies: 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

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

- ✓ **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

- ✓ **ACES Hackathon – 2016**

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

Technologies: HTML, CSS, JavaScript, Android

- ✓ **HackX Hackathon – 2017**

A conceptual idea of sharing stories builds 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

- ✓ **Working as a freelancer**
- ✓ **Teaching Basic programming for students**
- ✓ **Contributing the Stack Overflow**
- ✓ **Contributing to an Open Source Project called 'TEAMMATES'**

INDUSTRIAL TRAINING

- ✓ **Induction Training Program**

The self-defined project called 'NFC Peer-to-Peer Communication'. I created two android apps as client and server. Client app generates a unique id. The server reads and verifies the client. This project focused on security accesses.

Technologies: Android, NFC, Android Beam

- ✓ **Event Management System Project**

Event Management System is Platform for organizing and managing events in Tiqri 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

Technologies: Android, NFC, Android Beam, Agile Process

REFERENCES

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