Minura Wijesinghe
BScEngHons(undergradute).

minurawijesinghe@gmail.com ✉

+94779936906 📱

Mahawewa, Sri Lanka 📍

linkedin.com/in/minura-wijesinghe-30b437154 in

github.com/minurawijesinghe ○

A versatile and energetic computer engineering undergraduate with Excellent team working ability and having great communication skills with good leadership skills. And also an enthusiastic learner who quickly grasps new concepts and technical skills.

EDUCATION ATTAINMENT

Computer Engineering
faculty of engineering, university of Sri Jayewardenepura

11/2017 - Present   *Nugegoda, Sri Lanka*

Server-side Development with NodeJS, Express and MongoDB
coursera.org

05/2020 - 06/2020

Front end web development with React
coursera.org

08/2020 - 09/2020

Introduction to Augmented reality and ARCore
coursera.org

04/2020 - 05/2020

Object-Oriented programming
Java institute

01/2017 - 07/2017   *Colombo, Sri Lanka*

School
Dhammissara National college

04/2006 - 08/2017   *Naththandiya, Sri Lanka*

TECHNICAL STACK

Web development
React js, HTML, CSS

Mobile Development
React-native(android and IOS), Android Studio Java

Server-side Development
Node js, Springboot

PROJECTS

Trackable (01/2021 - Present)
- Field force management application to manage the technicians and other employees in Sri Lanka's leading company. As electrical appliances importing company, they have to maintain a field force management system for continuous service. This project contains a web application and an android mobile application. Using the mobile application, employees can apply for leaves, Requesting training sessions apart from service requests completion. Service request assigning is done using the web application to the relevant employee. Through the mobile application, the employee can proceed to complete the service request. while completing SRs, employee's location is tracked and can be monitor using the web application.
- More info: http://www.cba.lk/trackable/
- Tools: **React-native, redux, redux-saga, Axios, Springboot, GitHub**

Abhises (Augmented Reality Tour Guide) (08/2020 - Present)
- Abhises is a smartphone application that acts as an intelligent augmented reality tour guide. Abhises, the AR bot, can assist people around both indoor and outdoor environments. We employed SLAM for markerless augmented reality and IBM Watson's intelligent conversational agent. Abhises can go through the best pathways to a location using shortest path techniques. We are primarily interested in Abhises as a product that we can promote to visitors visiting Sri Lanka. The app's initial phase will be implemented at Sigiriya.
- Tools: **Unity, ARFoundation, ARCore, ArKit, Firebase real-time database, Azure spatial anchors, Maya, IBM watson, GitHub**

TECHNICAL STACK

Version Control
GIT, GitHub, Bitbucket

PROGRAMMING TOOLS AND LANGUAGES

React-Native Android studio React

Node js Springboot Express js

HTML CSS Javascript Java C++

XML Python MongoDB MySql

GitHub Bitbucket

WORK EXPERIENCE

Freelancer
fiver, upwork

01/2018 – Present

Tasks
- Web development
- Mobile development

Developer
Knovatiq IT

04/2020 – Present   *Sri Lanka*

Tasks
- Mobile development

*Contact: Mr. Prabhath Gunawardena –
prabsg.123@gmail.com*

ACHIEVEMENTS

IIVC 2018
2nd place in robotics field

LANGUAGES

English
*Professional Working
Proficiency*

Sinhala
*Native or Bilingual
Proficiency*

SOFT SKILLS

Communication Leadership

Fast learning Team Working Creativity

Problem Solving Research

PROJECTS

Emergency partner (03/2020 – 06/2020)
- To minimize the crime rate and establish peace in a country, a sound crime management system is a must. We have implemented a couple of mobile applications as an upgrade to the existing crime management system. One mobile application is for the use of police officers and one is for common people. Users can report a crime with attachments like voice notes, images, videos or text. With the complaint, the complainer's location is lively feeding until the complaint is resolved. After the complaint is done, notification for the complaint is forward to the nearest police officers and they can accept it and engage with the situation.
- Tools: **React Native, Redux, Axios, Node JS, Heroku, Express JS, Passport JS, Mongoose, MongoDB, Firebase Cloud Messaging (FCM), Firebase Storage, GitHub** .

Grocery Delivery system (04/2021 – 07/2021)
- A web application to order foods and deliver them to decided location. This was only a server application combined with a swagger. We have used Eureka netflix architecture for the implementation.
- Tools: **Springboot, Netflix architecture, Eureka server and client, Hystrix, GitHub**

SLAM-Bases augmented reality object registering method (04/2020 – Present)
- The main two types of object registering techniques are marker-based and markerless in augmented reality. Markerless object registering techniques is the trending technology used in most scenarios. But still, it suffers from the lack of accuracy of registering objects. As an improvement to the existing Object registering methods SLAM, we have introduced an object registering technique with optimized SLAM and a path generation functionality.
- Tools: **SLAM, Unity, ARfoundation, Linear interpolation, Cubic interpolation**

Friends Book (Social Media application) (07/2020 – 09/2020)
- A social media application is mostly like Facebook. Users can post events and comment on them, messaging with users etc. We have implemented friends searching functionality in the application to find the nearby friends who have enabled location sharing as an improvement.
- React-native was used as the front end framework and used Redux for the state management.
- Node Js, Express Js, Passport Js, Mongoose and MongoDB was used to develop the server application and deployed on Heroku cloud application platform.
- Tools: **React Native, Redux, Axios, Node JS, Heroku Express JS, Passport JS, Mongoose, MongoDB, Firebase Storage, GitHUb.**

Real-time Voice Cloner (08/2020 – 09/2020)
- This is a combination of real-time voice cloning and voice assistant feature. This voice assistant trains initially for the user's voice. The user needs to speak predefined sentences for the voice synthesis process. This is a mobile app developed with a AWS hosted python server.
- Tools: **React Native, Redux, Axios. GitHub, AWS, Flask, Python**

ORGANIZATIONS

CellatroZ (06/2018 – Present)
Co-founder

Google Hashcode Hub (2018 – 2019)
Secretary

Sith Pawura (02/2018 – Present)
Teacher

REFERENCES

Dr. Randima Dinalankara
" *Department head, Department of Computer Engineering, Faculty of Engineering, University of Sri Jayewardenepura* "

Contact: *randima@sjp.ac.lk – +94779850917*

Dr. Udaya Wijenayake
"*Senior Lecturer, Department of Computer Engineering, Faculty of Engineering, University of Sri Jayewardenepura*"

Contact: *udayaw@sjp.ac.lk – +94764655928*

PROJECTS

Smart shop finder (01/2019 – 05/2019)
- An e-commerce platform (Mobile application) that buyers can find the there needed things with three efficiency functions as most time-efficient, most cost-efficient and general. This application uses some shortest path techniques for finding the most time-efficient shops. Discounts, prices and distance are weighted differently in separate searching techniques.
- A single mobile application for sellers and buyers. Authentication deviates the screens relevant to the user role.
- Tools: : **Android Studio (Java), Firebase real-time database, Firebase Storage , Firebase Authentication, GitHub**

Senika LK (05/2019 – 11/2019)
- With the COVID-19 pandemic situation in the country, most of the services try to turn them for online functionality. We have designed and implemented an e-commerce platform as a marketplace for buyers and sellers. This mobile application can find the nearest shops which can fulfil the buyers need to reduce the time consumption.
- Tools: **React native, Axios, Redux, Redux-saga, Amazon Amplify, Amazon Cognito, GitHub**

Eye (03/2020 – 05/2020)
- There is a considerable percentage of people who are visually disabled but still need to do something. Most of them have focused on fashion designing as a trend. The main difficulty for them is to choose something without seeing it. Here we have developed a mobile application to recognize colour percentages and patterns in clothing. Mobile application is based on voice commanding and vocal instructions.
- Tools: : **React Native, DialogFlow,Tensorflow, openCV, Firebase realtime database, GitHub**

Drone Controlling Mobile Application (03/2018 – 06/2018)
- The normal way to control a Drone is using a specific remote controller. We have designed a drone that can be controlled using a mobile application. Drone continuously feed the firebase database with its live location. It helps to find the drone if it crashes.
- Note: this project won the 2nd price on robotics field in IIVC 2018.
- Tools: **Android Studio (Java), Firebase real-time database, Node JS, GitHub**

Online movie theatre management application (05/2019 – 07/2019)
- A movie theatre and cafeteria management mobile application which have capability of booking seats in the theatre and also order foods.
- Tools: : **Android Studio (Java), Firebase real-time database, Firebase Storage , Firebase Authentication, GitHub**