MINURA WIJESINGHE

BScEngHons(undergradute).

I am a Computer Engineering undergraduate student at faculty of engineering, university of Sri Jayewardenepura. Excited about mobile development,web development and music.

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EDUCATION

Computer Engineering
university of Sri Jayewardenepura
11/2017 – Present

Front end web development with react
coursera.org
08/2020

Server-side Development with NodeJS, Express and MongoDB
coursera.org
05/2020 - 06/2020

Object-Oriented programming
Java institue
01/2017 - 06/2017

School
Dhammissra National College
06/2006 - 06/2015

CERTIFICATES

Server-side Development with node JS, Express and MongoDB
From coursera.org (05/2020 - 06/2020)

TECHNICAL SKILLS

Full stack development
React JS, MongoDB, Express JS, Node JS
JavaScript, HTML, CSS, MySql

Mobile development
React native, Android studio, Java

Version control
GitHub, Bitbucket

Programming Languages
C++, Java, JavaScript, HTML, XML,

PERSONAL PROJECTS

Emergency partner (03/2020-present)

A couple of mobile applications to complaint crime scenes in Sri Lanka as a substitute for conventional 119 calling system. User can attach a location, images, a video or a text in the complaint. Officer will receive the location of the complainer with other attached details. Two mobile applications were made using **react-native** frame-work. **Redux** was used to manage the states. **Axios** used to make API requests. The server-side application was developed using **node Js. Express Js** was used for routing. **Passport JS** was used as authentication middleware. **mongoose** was used for data modelling for the **MongoDB** database. As security perspective, each API endpoint is calling through verification middlewares. To deploy the server application **Heroku** cloud application platform was used and atlas MongoDB was used as the database. Notification handling was done through **Firebase Cloud Messaging (FCM**) and to store the media files, **Firebase storage** was used. GitHub was used for version control.

Used technical tools: React Native, Redux, Axios, Node JS, Heroku Express JS, Passport JS, Mongoose, MongoDB, Firebase Cloud Messaging (FCM), Firebase Storage, GitHub.

Friends Book (07/2020 - 09/2020)

A mobile application like Facebook. A social media application to find near-by friends, add posts comment on the posts etc. **react-native** was used as the front end framework and used **Redux** for the state management and **Axios** used for API requests. Like in the emergency partner the **node Js**, **Express Js, Passport Js, Mongoose** and **MongoDB** was used to develop the server application and it was deployed on **Heroku** cloud application platform. To store the large media such as images, **Firebase Storage** wase used. **GitHub** used as the version controller.

Used technical tools: React Native, Redux, Axios, Node JS, Heroku Express JS, Passport JS, Mongoose, MongoDB, Firebase Storage, GitHUb.

SOFT SKILLS

Creativity

Communication

Problem solving

Team work

Leadership

Fast learning

Research

WORKING EXPERIENCE

Freelancer
Upwork, Fiverr
2018-present

REFERENCES

DR . Udaya Wijenayake
Senior Lecturer,
Department of Computer Engineering, Faculty of Engineering,
University of Sri Jayewardenepura

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PERSONAL PROJECTS

Real-time Voice Cloner (08/2020 - 09/2020)

Voice assistant mobile application from the own voice of the user. **React-native** used as the framework for the front end development. To manage the states, **redux** was used. **Axios** was used to make API requests. **React-native-text-speech** and **react-native-audio** were majorly used. Version control was done using the **GitHub**.

Used technical tools: React Native, Redux, Axios.

Smart shop finder (01/2019 - 05/2019)

A mobile application to find the nearest shop to buy the item that the user wants. There were some filtering mechanisms for the cost-efficient, time-efficient and cost-efficient and time-efficient. A single mobile application for sellers and buyers. Authentication deviates the screens relevant to the user role. **Android Studio** was used for mobile application development. **Firebase real-time database**, **Firebase storage** and **Firebase Authentication** were used to develop the back end. **GitHub** was used to version control.

Used technical tools: Android Studio (Java), Firebase real-time database, **Firebase Storage** , **Firebase Authentication**, **GitHub**

Drone Controlling Mobile Application (03/2018 - 06/2018)

A mobile application to control a drone via the internet. This application is sharing the location of the user and the drone. The drone is capable to navigate to user autonomously if signal loss. **Android studio (java)** was used to develop the front end**. Firebase real-time** database was used to store data. **Node** Js was used to develop the server application. **GitHub** was used as the version control tool.
Note: this project won the 2nd price on robotics field in IIVC 2018.

Used technical tools: Android Studio (Java), Firebase real-time database, **Node JS**, **GitHub**

Senika LK (07/2019 – 11/2019)

A day to day good finding and delivering app. There are two user roles, they are sellers and buyers. For the front end development, **react-native** was used. **Redux** and **redux-saga** were used for state management and background API request management. **Amazon Amplify** and **amazon Cognito** was used for user registration and authentication. **Axios** was the API handler and **GitHub** was the version control tool.

Used technical tools: React native, Axios, Redux, Redux-saga, **Amazon Amplify, Amazon Cognito**, **GitHub**

PERSONAL PROJECTS

Vision Assistant (front-end) (03/2020 - 05/2020)

A mobile application for visually disabled persons to recognize clothe's pattern and colour. This application totally operates on voice commands and instruction. **React native** was used to develop the front end application. Used **DialogFlow** for the voice recognition purpose. **Firebase database** was the database and **GitHub** was used as the version control tool.

Used technical tools: React Native, DialogFlow, **Firebase real-time database**, **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. For the front end development **Android studio** was used with **java**. For the back end ,**firebase real-time database**, **Firebase storage**, **Firebase authentication** was used. **GitHub** was used as the version control tool.

Used technical tools: Android Studio (Java), Firebase real-time database, **Firebase Storage** , **Firebase Authentication**, **GitHub**