Personal information

- **Birthdate**
  18 November 1997
- **Gender**
  Male
- **Residence**
  Colombo
- **Nationality**
  Sri Lankan
- **Marriage Status**
  Single

Contact

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Common skills

English
Group Work
Computer Repair

References

Mr. Haren
(Parallax CEO)
+94 77 161 5030

Mr. Ruvin
(Empite UI/UX Designer)
+94 77 192 2433

Technical skills

- **Programming languages : Java, C#, Python, CSS, HTML, SQL (Oracle Database)**
- **Frameworks: .Net, Spring ,Vue**
- **Developing Concepts : MVC, RestFull API,Machine Learning, OOP, ER Diagrams,Web, Winfroms, WPF**

NAWAGAMUWAGE VIMUKTHI ARAVINDA PERERA

SOFTWARE DEVELOPMENT | UI/UX DESIGN | CLOUD COMPUTING | SYSTEM DESIGN | AI | GRAPHIC DESIGN

Projects

LEAPY – TUTORIAL SUGGESTION SYSTEM

SLIIT Group Research Project| 2022 - October

For the SLIIT Final Year Research Project, I developed a tutorial suggestion system for children's drawings using the **Tensorflow Machine learning** framework and computer vision. Also, introduced it as a product for testing with kindergarten students. The technologies used are **Python flask** server for the back-end process and React for the front-end. These two systems connect by using an **API** HTTP connection. Please move on to the link below for more details.

https://vimukthiaravinda.github.io/2022-105_Research_Website/

(This website was also developed by myself as a leader of the group)

INVENTORY MANAGEMENT SYSTEM

Sri lanka Statistics Department Printing Press| 2020-February

In the second year ITP module, we were given a task to participate in a third-party company and build an application to solve the problems they face in the day-to-day working process. Then we participated with the Sri Lanka Statistics Department's Printing Press. after that, we discussed with them and identified the problems that they face in the day-to-day working process. That is they need an inventory management system to manage their printing material's current status and usage details. our group designed the system, database, and user interface Then we developed the project within three months. Also, we deployed the project on their computer. For this system, we have used **Java Swing** for an Application UI and basic **Java core** for backend programs. We used the Mysql database for the database. my part was the user and paper and ink management part in the ink management part, I added an extra feature to the system, an **auto emailing system** to send material state as generated **PDF** when low in the storage states.

AIRLINE TICKET SYSTEM

SLIIT | 2020-September

In the Second year, I build a simple airline ticket booking system for the Sliit module project. In this project simply search flight in the search bar. Then the system shows available flights, date time, destinations, class, flight details, and price. For this project, For this system used programming language is Java. **Java servlet** used as a sever side component. my main goal was to build this project as a web application used in Java. Database to use **MySQL** database. Because easy to use and more reliable. UI is developed with **HTML** and **CSS**. In this project, Users can Book flight through a web application and download a **PDF** as an air ticket with all of the flight details have.

TRAFFIC SIMULATION

SLIIT | 2022-February

In the 4th year second semester given a project to build a Traffic simulator. my goal is to build a traffic simulator that users can control traffic lights. After researching this topic I identified the what are the main technology that needs to be used to build the simulator. The main programming language used is **Python**. **Pygame** used the graphic library to build a simulation graphical interface. Python cores us to logical part development. In the end, I built a fully controllable traffic simulator that represents real-world 4-way junction that face more traffic problems.

EMOTION TRACKING SYSTEM FOR CINEMA

SLIIT | 2021-September

This project used the **FER-2013** dataset to identify facial expressions using a trained machine-learning model. For the build of this project use **TensorFlow** Framework for model training and **Opencv** for **Computer Vision**. Keggle is the source for downloading datasets. The main goal of this project is to measure the percentage of emotions when acting on an actor's face.

Education

2019 - 2024
BSc in Information Technology at The Sri Lanka Institute of Information Technology (SLIIT) (Completed)

2018 February
Diploma in Web Engineering (DIWE)
(Pearson Assured) ESOFT Metro Campus, Colombo, Sri Lanka

2017 February
Diploma in The English Language at British Way English Academy - Honor Pass
Nugegoda Branch in Colombo, Sri Lanka

2016 August
General Certificate of Education Advanced Level - Pass
Boy's School Malabe, Sri Lanka

2013 December
General Certificate of Education Ordinary Level - Pass
Boy's School Malabe, Sri Lanka

Experience

2021 June - 2022 April
Parallax Media Group (Web & 3D dev)
MULTIMEDIA SPECIALIST
Slave Island, Colombo 2
I have built an official website for the company using Wix

2022 April - 2022 Sep
CODE WOX (HTML, CSS, Javascript, Database, .Net, C#)
WEB DEVELOPER
Athul Kotte, Colombo

https://github.com/vimukthiaravinda?tab=repositories