

Thamilmaran Mohanarasa

IT Undergraduate at University of Moratuwa.



About me

I am a dedicated, organized, and methodical individual with a passion for software engineering. I possess a solid grasp of programming fundamentals, enabling me to effectively tackle complex problems and deliver high-quality solutions.

Education

BSc. Hons (2020-Present) - University of Moratuwa
Information Technology

G.C.E Advanced Level (2019) - Kn/ Madya Maha Vidyalaya
A,2B – Physical Science Stream
Combined Mathematics - A
Physics - B
Chemistry - B
Z- Score – 1.4342
District Rank – 06 | Island Rank - 1008

G.C.E Ordinary Level (2014) - Kn/ Murugananda College
6A, 2B, S

Technical Project

Rule-Based Route Optimizer | Web Application

- 2nd year Software Project.
- The aim of this project is to develop a system to optimize the routes for better efficiency and cost-effectiveness for deliveries.
- This project is a collaborative effort, where I have taken responsibility for crucial tasks such as Admin Authentication, User ID and Password Creation by the Administrator, and User Management.
- **Technology Used**
Angular | Spring Boot | MySQL | Angular Material | Bootstrap

Contact

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- **LinkedIn**
linkedin.com/in/maran2359/
- **GitHub**
github.com/Maranmaxi2022

Technical Skill

- **Web Development**
Angular | Spring Boot | HTML
| CSS | Bootstrap | Tailwind
- **Database**
MySQL | MSSQL
- **Version Control**
Git
- **Programming Languages**
C | Java | JavaScript | TypeScript

Soft Skill

- Bilingual Communicator
(Tamil & English)
- Tutor
- Team-Work
- Problem-Solving
- Leadership

Interesting

- UI/UX
- Machine Learning
- Cloud Computing

Extra-Curricular Activities

- Cricket | Volleyball
- Chess
- Patrol Leader – Scout
- Member of Tamil Literary Association – UOM

E-Commerce Store | Web Application

- E-Commerce Store as a Web Application.
- This is an Individual Project, I did this project to learn Angular Framework.
- In this project, I learned how to build a webshop with Angular and Node.js, use Angular Material and Tailwind, and build an e-commerce full-stack web application.
- **Technology Used**
Angular | Node.js | Express.js | Angular Material
| Tailwind

Automated Paint Mixing Machine | Hardware Project

- 1st year Hardware Project.
- The aim of this project is to design and develop an automated machine to create various colours using RGB colours for school use.
- This project is a collaborative effort, where my specific contributions encompass the integration of the Load cell, Servo motors, and Force Sensing Resistor into the system, as well as the creation of an informative animation video that demonstrates the system's functionality.
- **Technology Used**
C Language | Atmel Studio | Proteus | KiCad | Blender

Referee

- **Dr. A.L.A.R.R Thanuja (B.Sc. (Sri Lanka), Ph.D. (USA))**
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