Mohamed Zihan
Software Engineer

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🌐 https://zihan.vercel.app/

📍 68/A2, Veyangalla, Agalawatta.

PROFILE

Driven IT undergraduate eager for a Software Engineer role, skilled in diverse technologies with a focus on AI. Quick to adapt to new platforms, I'm passionate about creating innovative solutions for real-world challenges, combining a fast learning pace with teamwork.

in linkedin.com/in/mohamed-zihan/

 github.com/Zihan-Codes/

 stackoverflow.com/users/zihan

 mohamed-zihan.medium.com

 hackerrank.com/profile/Zihan_1

TECHNICAL SKILLS

Programming Languages

- C
- Java
- PHP
- JavaScript
- TypeScript

Mobile App Development

- React Native

EDUCATION

B.Sc. (Hons) in Information Technology
Faculty of Information Technology, University of Moratuwa
2020 present

GCE Advanced Level (Physical Science)
Kekunagolla National School
C. Maths – A, Chemistry – A, Physics – B, Z-score – 1.5515
2018 A/L

EXPERIENCE

ICT Agency of Sri Lanka (ICTA) | Jan 2023 - Jul 2023
Software Engineer Intern

Contributed to the development of the Sri Lanka Digital Health Atlas (SLDHA) for the Sri Lanka Health Ministry. My role involved collaborating on a nationwide digital platform to connect health institutions, enhancing system accessibility and ensuring data integrity through rigorous verification processes.

IgniterSpace | Mar 2023- Present
Technical Instructor

As a Technical Instructor at IgniterSpace, I guide young learners through innovative and technical skill development in areas like basic Arduino, Python, and Scratch. My role focuses on inspiring creativity and problem-solving, and equipping students with the knowledge to innovate and create within a hands-on learning environment.

PROJECTS

Sri Lanka Digital Health Atlas
Internship project

Contributed to the development of the Sri Lanka Digital Health Atlas, a significant platform linking health institutions nationwide. The project, supervised by the Sri Lanka Health Ministry, included rigorous verification processes and focused on improving the accessibility and searchability of health institutions, enhancing my skills in quality assurance and software development.

Website Link : https://digitalhealthatlas.lgcc.gov.lk/
LinkedIn Post : https://shorturl.at/abKZ4
Technologies : Laravel with JQuery, MySQL and ArchGIS atlas

Secure Authentication system With 2FA validation

Developed a Secure Authentication System for a hospital, an individual project focusing on enhanced security through Role-Based Access Control and 2FA validation. This system offers strengthened security layers with attribute verification, role-based restrictions, and user-friendly password management.

LinkedIn Post : Click here to view

Technologies : ReactJS, ExpressJS, NodeJS, MongoDB

Web Development

- HTML
- Bootstrap
- TypeScript
- PHP
- Spring Boot
- Express JS
- CSS
- JavaScript
- React
- Laravel
- NodeJS
- NextJS

Database

- MySQL
- MongoDB
- MSSQL

IDEs

- Visual Studio Code
- Intelli J IDEA
- PhpStorm
- Sublime Text

Version Controlling

- Git

Operating Systems

- Windows
- Ubuntu

Interest fields

- Cybersecurity
- Machine Learning
- Software Engineering
- Embedded Systems

OTHER SKILLS

- Problem Solving
- Team Management
- Leadership Skills
- Communication Skills

EXTRACURRICULAR ACTIVITIES

- AIESEC - Marketing Team member
  2021 - 2022

- ACM - Vice Organizing Pillar Head
  2021 - 2022

- SPS - Assistant Event Organizer
  2022 - 2023

- UOM Football team - Goal Keeper
  2020 - 2021

LANGUAGES

- Tamil (Native)
- English
- Sinhala

Advanced Business Transaction Management System

Creating the Advanced Business Transaction Management System, an individual project designed to streamline and enhance transaction management for entrepreneurs. Focused on handling various payment scenarios and improving communication through email, with ongoing development to include WhatsApp notifications.

Technologies : ReactJS, ExpressJS, NodeJS, MongoDB

Companion: Corporate Vehicle Booking System

Participated in a group project to create an Online Vehicle Requesting System, a versatile web/mobile application designed for companies to book vehicles (Bus, Van, Car, TukTuk) for staff transportation. The system allows managers to select specific drop locations and facilitates cash payments, streamlining the vehicle booking process.

GitHub Repo : Mobile App | Backend
Technologies : React JS, React Native, Laravel, MySQL

Diary Mobile App

Developed 'Diary Mobile App,' my inaugural venture into mobile application development, using React Native, Laravel, and MySQL. This app offers a personal, digital space for users to record and manage their daily activities and thoughts.

LinkedIn Post : Click here to view
Technologies : React JS, React Native, Laravel, MySQL

Online Store website

Initiated an individual project to create an Online Store Website, designed for showcasing and managing a shop's product catalog. This adaptable platform, currently in development, allows for customization including store branding changes. Detailed project insights and a demo video are available on my LinkedIn profile.

LinkedIn Post : Click here to view
Technologies : Html, CSS / Bootstrap, JS, PHP, MySQL

Basic Hospital Management System

My first Spring Boot project, this system streamlines the management of doctor and patient details, enabling basic add, delete, and update functionalities.

GitHub Repo : Backend | Frontend
Technologies : Spring Boot, React JS, MySQL

React-Based Portfolio Website

Developed a personal portfolio website using React, showcasing my projects and skills. Currently a frontend-only site with plans to expand into a Node and Express JS backend for enhanced functionality.

Website Link : https://zihan.vercel.app/

REFERENCE

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