Hasath Silva

Software Engineer Intern

CONTACT ME

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TECHNICAL SKILLS

Programming Languages

- Java
- C
- JavaScript
- C#

Web & Mobile Development

- NODE.JS
- REACT.JS
- NEXT.JS
- FLUTTER
- ASP.NET
- HTML
- CSS
- JAVASCRIPT
- TAILWIND CSS
- CHART.JS

Desktop application Development

- JavaFX

ABOUT ME

As a motivated and detail-oriented undergraduate, I am passionate about coding, problem-solving, and exploring emerging technologies. I have experience in designing, developing, and debugging software applications, collaborating in Agile teams, and following industry best practices. As an aspiring full-stack developer, I am eager to contribute my skills to real-world projects and continuously grow as a professional in the field of Information Technology.

EDUCATION

- **B.Sc. (Hons) in Information Technology**
  University of Moratuwa | Current CGPA : 3.16
  2022 - Present

- **G.C.E. Advanced Level Examination – Bio Stream (2021)**
  District Rank: 58 | Z-Score: 1.42

- **G.C.E. Ordinary Level Examination (2017)**
  9A's

PROJECTS

Vehicle Tracking & Fleet Insights System (Group) ⓖ

Developed as a Level 2 Software Project, this system provides real-time vehicle location tracking, historical route analysis, geofencing, and report generation. Mentored by SunRu Lanka Holdings (PVT) LTD, the project ensures live monitoring and delivers data-driven insights to optimize fleet operations and improve efficiency.

- Role: Full Stack Developer
- Technologies: React, Node.js, MySQL

WarnMap – Emergency Incident & Geospatial Intelligence System (Individual) ⓖ

Developed an emergency incident intelligence system with real-time geospatial mapping, automated geofencing, incident reporting, and administrative dashboards. The system supports live monitoring, location-based alerts, and actionable insights to enhance emergency response and public safety coordination.

- Technologies: React, Next.js, ASP.NET Core, C#, PostgreSQL, Leaflet.js, Entity Framework Core

Databases

- MYSQL
- MS SQL SERVER
- POSTGRESQL
- MONGODB

Version Control

- Git

Design & Multimedia Tools

- DAVINCI RESOLVE
- CAPCUT
- FIGMA
- GIMP

SOFT SKILLS

- ADAPTABILITY
- EMOTIONAL INTELLIGENCE (EQ)
- CRITICAL THINKING
- COLLABORATION
- CREATIVITY & INNOVATION
- RESILIENCE

INTERESTS

- VOCALIST
- MUSIC COMPOSER
- CHESS PLAYER

LANGUAGES

- SINHALA
- ENGLISH

Vocal Training & Pitch Analysis System (Individual)

Developed a comprehensive system with real-time pitch detection, vocal range training, and session analytics. The system enables note accuracy tracking, detailed performance insights, and live audio monitoring through a voice recorder to optimize vocal training and improve singing proficiency.

- Technologies: Flutter, Node.js, MongoDB, Web Audio API

Invoice & Billing System (Individual)

IIndependently developed an offline desktop application for managing bill records, check payments, and resource tracking, with detailed financial reports. Built with JavaFX (Scene Builder) and MySQL, providing an intuitive interface and efficient financial record management.

- Technologies: JavaFX, MySQL, Scene Builder

Automobile Service Time Logging & Appointment System (Group, Ongoing)

Developing the frontend of an enterprise web application for managing vehicle service appointments and tracking progress, enabling customers to book services and receive notifications, while employees are managing appointments and updating statuses.

- Role: Frontend Developer
- Technologies: Next.js, PostgreSQL, Spring Boot

Drive Assistance System (Group)

Developed a Level 1 Hardware Project that automatically controls headlights on winding roads and activates fog lights based on rain or humidity. Programmed headlight movements and integrated the MPU6050 sensor for orientation detection using ESP32, IR, and rain/humidity sensors.

- Role: Embedded Systems Developer
- Technologies: ESP32, MPU6050, IR Sensor, Rain & Humidity Sensors

CO-CURRICULARS

- Main vocalist of Studio AURA, contributing to music productions and performances.
- Member of FIT Moments at the University of Moratuwa
- Choir member and vocalist of FIT Tunes at the University of Moratuwa,

REFERENCES

Mr.Maheshara Samarasinghe
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