Binari Dissanayake

Software Engineer

Contact

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- medium.com/binaridissanayake

Education

- University of Moratuwa
  - BSc. (Hons) IT (2021 - 2025)
  - Current GPA - 3.68

- Central College Kuliyapitiya
  - G.C.E Advanced Level (2019)
  - Chemistry - A
  - C. Mathematics - B
  - Physics - B   Z Score - 1.7926

Technical Skills

- Programming Languages
  - Java
  - Python
  - C
  - JavaScript
  - C#

- Web Development
  - HTML
  - CSS
  - Bootstrap
  - ASP .net MVC
  - Django

About me

With hands-on experience as a trainee software engineer, I specialize in backend development and system optimization. My expertise includes building scalable solutions using ASP.NET, SQL Server, and Power BI, with a focus on robust training management and reporting systems. Known for my strong analytical skills and adaptability, I am passionate about exploring innovative approaches to problem-solving, enhancing efficiency, and creating user-centric designs. As a committed team player and fast learner, I am eager to bring my technical skills and enthusiasm to a dynamic company that values growth, collaboration, and continuous improvement

Work Experience

Trainee Software Engineer - GPV (Feb 2024 - Sep 2024)

- Developed and implemented a Training Management System with role-based access control using ASP.NET Identity. Integrated FullCalendar for training event scheduling and created Power BI dashboards for training metrics. Enhanced backend functionalities and resolved critical bugs in the Test Development Reporting System. Redesigned UI forms to improve user experience and streamline data entry. Developed a reporting feature for material tracking in the Material Toolbox and implemented permissions management for secure access. Conducted testing, troubleshooting, and end-user training to ensure system reliability and efficiency.

Peoples Bank - Makandura Branch (Aug 2020 - May 2021)

- Bank Assistant

Projects

Enhancing Regulatory Complainces and Efficiency of Decentralized Equity Investment Platforms Using DAG-based Blockchain Architecture (Final Year Research - Ongoing)

Conducting a research on utilizing DAG-based blockchain to improve scalability and security in decentralized equity investment platforms. Proposed an identity-aware trading mechanism integrating KYC management with semi-fungible tokens to ensure regulatory compliance and enhance investor trust.

- **Roles**: Team Leader, Fullstack Developer and Researcher

Technical Skills

- Databases
  - MySQL
  - MSSQL Server

- IDEs
  - VS Code
  - CodeBlocks
  - IntelliJ Idea
  - Atmel Studio
  - Android Studio

- Version Controlling
  - GIT

Other Skills

- Leadership skills
- Team working
- Communication skills
- Problem solving
- Fast learning

Languages

- Sinhala - Native
- English - Professional proficiency
- German - Elementary level

Interests and Hobbies

- Reading
- Volunteering
- Travelling
- Photography

Non Related Referees

Dr.Romesh Ruwan Thanuja

Ph.D. in Comp. Mathematics

Senior Lecturer

University Of Moratuwa

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+94 77 747 6511

Akila Wasala,

Mobile Developer,

Harvest Technology,

akilajwasala@gmail.com,

+61 48 603 5068

Training Management System (TMS) - Internship Project

Designed and developed a Training Management System to streamline employee training tracking and scheduling. Key features include a calendar-based scheduling system, role-based access control, and Power BI dashboards for data visualization. This system improved record management and provided insightful dashboards, aiding team planning and compliance.

- **Technologies**: ASP.NET MVC, .NET 8, Power BI, SQL

Blockchain Based Vehicle Registration and Ownership Management System

The blockchain-based vehicle marketplace offers a secure and efficient platform for vehicle trading. It enables the conversion of physical assets into digital assets and adopts Self-Sovereign Identity for enhanced privacy and security.

- **Roles**: Team Leader, Full Stack Developer
- **Technologies**: Django, Indy, Polygon , IPFS Blockchain,
- **Link**: L2-Software-Project

Automated Camera Stand

Developed an automated camera stand focused on avoiding danger for the wildlife photographer and the safety of the camera.

- **Technologies**: C, Atmega32A
- **Tools**: Atmel Studio, KiCad, Proteus, Blender
- **Link**: L1 Hardware Project

Other Experiences

IT Faculty University of Moratuwa

- Main Batch Representative - Level 3
- Company Coordinator - INTECS - 2023

IEEE Student Branch University of Moratuwa (2022 -2023)

- Leader of Editorial Team - MoraUXplore 1.0 Event
- Committee Member

IEEE WIE Student Branch Affinity Group of University of Moratuwa (2022 - Present)

- Team Member

Leo Club of University of Moratuwa (UoM Leos)

- Prospect

Sasnaka Sansada (2021 - Present)

- Volunteering Teacher of "Ganith Saviya"

Achievements and Cerificates

- **Python For Beginners** - open.uom.lk
- **Web Design For Beginners** - open.uom.lk
- **Real Hack 4.0 | 118th place**
  - Annual inter-university hackathon organized by the Software Engineering Students' Association in collaboration with IEEE Student Branch of University of Kelaniya.