Bavindu Shan

Software Engineering Undergraduate

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in LinkedIn   GitHub   Portfolio

EDUCATION

BEng (Hons) in Software Engineering (TOP-UP) - *London Metropolitan University (UK).*	Jan 2025 – Present
Dip. in ICET Certified Developer - *Institute of Computer Engineering Technology (ICET).*	Sep 2024 – Present
BTEC HND in Computing (Distinction Pass) - *ESOFT Metro Campus.*	Oct 2022 – Sep 2024

TECHNICAL SKILLS

- **Languages** : Java, JavaScript, TypeScript, C#, Python, PHP, CSS3, HTML5, XML
- **Frameworks & Libraries** : JavaFX, Spring Boot, Angular, Lombok, Model Mapper, Jasper Reports, Hibernate, Google Guice, Java Simplified Encryption (JASYPT), OpenCV, Bootstrap, Tailwind CSS
- **Databases** : MySQL, SQL Server
- **Cloud Computing** : Microsoft Azure Fundamentals
- **Networking** : LAN/WLAN, VLAN configuration
- **Tools & Platforms** : Git, GitHub, Visual Studio, VS Code, IntelliJ, Jaspersoft Studio, Postman, Google AI Studio, Power BI, Swagger UI

PROJECTS

Face Recognition Attendance System   Present
- Developing an AI-powered attendance system using Python, OpenCV, and MySQL to automate tracking, aiming for 95%+ accuracy and reducing manual effort by 80%.

Online Exam Platform   Present
- Building a scalable web-based platform using Java, Spring Boot, Angular, and MySQL to support 500+ users, with automated grading reducing manual evaluation work by 60%.

MOS Burgers Project   Mar 2025
- Designed a REST API-driven ordering system using Java, Spring Boot, Hibernate, and Jasper Reports, reducing processing errors by 40% and manual effort by 50%.

Hospital Management System   Mar 2025
- Built a JavaFX-based system with MySQL and data encryption to manage 200+ daily patient records, reducing administrative workload by 25%.

Bus Seat Reservation System   Mar 2024
- Optimized reservation efficiency by 50% using Java and advanced queue management algorithms.

Sampath Food City System   Jan 2024
- Developed a Python-based inventory system following SOLID principles, reducing stock discrepancies by 35% through automated tracking.

An overview of Dialog's Cybersecurity resilience for Big Data-Driven Threats   Jun 2024
- Assessed 3 major vulnerabilities in big data processing and proposed strategies to enhance defenses against cyber threats.

Malcolm's Photography Website   Jun 2023
- Designed and developed a responsive portfolio website using HTML5, CSS3, JavaScript, PHP, and MySQL, ensuring seamless navigation and user engagement.

Grifindo Travels System   Feb 2023
- Developed a C# application integrated with MySQL for vehicle rental charge calculations, increasing invoice accuracy and introducing self-drive rental options to enhance user satisfaction.

Quiet Attic Films Database Design   Jan 2023
- Designed a database using C# and MySQL to organize client, asset, and workflow data, improving operational efficiency and collaboration within the company.

LAN Design & Implementation for Alliance Health   Feb 2023

- Designed and implemented an efficient network topology, reducing downtime and enhancing bandwidth management through VLAN configurations

Developing IT Skills in Apprentices: A Workshop for Child Development Institute   Feb 2023

- Conducted workshops to provide basic IT knowledge to orphaned children, empowering them with essential digital skills.

ACHIEVEMENTS AND CERTIFICATIONS

Oracle Java Explorer Badge - Recognizes foundational knowledge of Java programming, covering core concepts, syntax, and object-oriented principles.

Postman API Fundamentals - Demonstrates proficiency in using Postman for API development, testing, and automation, ensuring efficient API integration and debugging.

HP LIFE Agile Project Management - Validates understanding of Agile methodologies, including Scrum and Kanban, to manage software projects effectively and improve team collaboration.

Microsoft Azure Fundamentals - Confirms knowledge of cloud computing basics, including Azure services, storage, networking, and security fundamentals.

Fundamentals of Generative AI Badge - Demonstrates knowledge of AI and machine learning models, focusing on how generative AI creates and enhances digital content.

Introduction to GitHub Copilot Badge - Showcases AI-assisted coding proficiency with GitHub Copilot.

EXTRA-CURRICULAR ACTIVITIES

- ESA(Esoft Student Association) Member at Esoft Metro Campus.
- Former Prefect & Sport Caption at Mahanama National School.

REFERENCES

Dulashi Athauda, *Visiting Lecturer – IT*, ESOFT Metro Campus.
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Niroth Samarawickrama,*Founder,* Institute of Computer Engineering Technology.
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