Vihanga Hettiarachchi

BSc (Hons) in IT Specialization (Reading)

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Portfolio

Profile

IT undergraduate with a strong passion for technology, software development, and problem-solving. Possesses a solid understanding of core IT concepts and hands-on experience through academic and personal projects. Eager to continuously learn, adapt to new technologies, and contribute effectively to innovative and impactful IT projects.

Projects

Human Resource Management System (HRMS)
- Developed a system to manage employees, attendance, payroll, and leave.
- Implemented role-based access and secure data handling.
- Built REST APIs with database integration for efficient HR operations.

Point of Sale (POS) System
- Designed a POS system for billing, inventory, and sales tracking.
- Implemented real-time stock updates and report generation.
- Focused on fast transactions and user-friendly interfaces.

Finance Tracking Application
- Built an application to track income, expenses, and budgets.
- Implemented categorized expense summaries and dashboards.
- Enabled filtering and analysis of financial transactions.

Hostel Cafeteria Ordering System
- Developed a digital ordering system for hostel cafeterias.
- Implemented menu management, order tracking, and admin controls.
- Improved ordering efficiency and reduced manual errors.

Vehicle Service & Fuel Management System
- Built a system to track vehicle servicing and fuel usage.
- Implemented service reminders and expense analysis.
- Generated reports for cost and performance monitoring.

Property & Vehicle Selling System
- Developed a platform for listing and selling properties and vehicles.
- Implemented search, filtering, and detailed listing management.
- Enabled secure user management and inquiry handling.

Skills

- **Programming & Scripting Languages:** Python, Java, SQL, JavaScript, Kotlin, R
- **Data Structures and Algorithms**
- **Databases:** MySQL, MongoDB, SQL Server, Firebase
- **Cloud Platforms:** AWS, Azure
- **Web Development:** Spring Boot, React.js, Node.js, Express.js, Next.js, HTML, CSS
- **Creative Skills:** Poster & Banner Design, Social Media Content Design, Merch Concept Design
- **Tools and Platforms:** Git, GitHub, PyCharm, VS Code, Figma, Android Studio.
- **Other Skills**: Problem Solving, Debugging, CI/CD, RESTful APIs

Certificates

AWS SimuLearn - Cloud Practitioner – Amazon Web Services (AWS).

AWS SimuLearn – Highly Available Web Application – Amazon Web Services (AWS).

AWS SimuLearn – Computing Solutions– Amazon Web Services (AWS).

AWS SimuLearn – Networking Concepts – Amazon Web Services (AWS).

AWS Technical Essentials – Amazon Web Services (AWS).

Achievements

- **Dean's List – SLIIT (Awarded in Y3S1)**

Recognized for outstanding academic performance and maintaining a high GPA.

Education

BSc (Hons) in Information Technology (Reading)

SLIIT (2023 – Present)

G.C.E(A/L) Examination (2020)

REFERENCES

Dr. Janaka Alawatugoda	**Mrs. J.W.E.W. De Silva**
Senior Lecturer, Department of Computing	Lecturer, Department of Computing
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