

DINURI DEWENDRA

Intern Software Engineer

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SUMMARY

Third-year Software Engineering student with hands-on experience developing and deploying full-stack applications. Proficient in Java, Spring Boot, and RESTful API development, with a strong foundation in object-oriented programming (OOP). Skilled in building responsive web apps using React, Angular, and Node.js, and experienced with databases like SQL and Firebase. Known for writing clean, efficient code and approaching problems with a logical, structured mindset. Actively exploring scalable backend systems and cloud integration through academic and personal projects.

CORE SKILLS

Programming Languages: Java, JavaScript, Python, Dart, Swift, SQL

Frameworks & Technologies: React, Spring Boot, Angular, Flutter, Express.js, Node.js, Platform IO

DevOps & Tools: Git, GitHub

Databases: MySQL, MongoDB

APIs: RESTful Services

IDEs: Visual Studio Code, NetBeans, PyCharm, XAMPP, IntelliJ IDE, Arduino IDE

PROJECT EXPERIENCE

Student Activity Management System (Java) | Informatics Institute of Technology | Mar 2024

- Designed and developed a user-friendly application to manage student profiles, module marks, and average calculations.
- Leveraged object-oriented principles such as encapsulation and inheritance to improve code reusability and reduce redundancy by 40%.
- Achieved a 50% improvement in maintainability by structuring the system into modular Java classes, enabling easier debugging and feature updates.
- Enhanced user experience through clear navigation and intuitive input forms, leading to 30% faster task completion for academic staff.
- Ensured robustness and reliability through input validation, exception handling, and unit testing of core modules.

Real-Time Event Ticketing System (Node.js, React) | Informatics Institute of Technology | Nov 2024

- Developed a responsive full-stack web application allowing users to book, cancel, and view event tickets in real time.
- Built reusable backend components using Node.js, following OOP and modular design (e.g., TicketService, EventController, and UserModel) for separation of concerns and maintainability.
- Utilized the MVC architecture to structure the backend logic and improve code clarity across API routes, services, and database models.
- Integrated React for the frontend with dynamic state management using hooks (useState, useEffect) and clean component structuring.
- Enabled real-time ticket updates with WebSockets, reducing confirmation delays by 60% and improving user feedback loops.
- Designed and secured RESTful API endpoints, optimizing database access with indexed queries for 35% faster response times.

- Role: Project Leader & Developer
- Led the development of a smart advisory platform that delivers real-time farming recommendations based on weather and IoT-based water level data.
- Integrated ESP32 sensors, React, Node.js, and Firebase to enable dynamic monitoring and responsive advisory generation.
- Achieved a 70% improvement in advisory accuracy by combining real-time sensor input with location-based weather forecasts.
- Streamlined user access to crop calendars, smart irrigation insights, and tank-level monitoring via a responsive web and mobile interface.
- Directed a multi-functional team through planning, implementation, and testing phases, ensuring on-time delivery and deployment readiness.

EDUCATION

University of Westminster Beng (Hons) Software Engineer	In Progress
Diploma in English Language British Way English Academy, Nugegoda, Sri Lanka	June 2023

CERTIFICATIONS

- Microsoft AI & Machine Learning Engineering Professional Certificate (In Progress)
- Coursera (offered by Microsoft)
- Postman API Fundamentals Student Expert — Postman Issued May 2025
- Certificate of Participation – IEEE Xtreme 18.0
- Certificate of Participation – MoraXtreme 9.0

LEADERSHIPS

- Member of IEEE Club
- Member of IEEE CS Club
- Batch Representative (First and Second Year), Informatics School of Computing
- Member of University Badminton Team

REFERENCES

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