

JEEWANTHA SANDEEPA

S O F T W A R E E N G I N E E R

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 /Jeewantha Sandeepa

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EDUCATION

University of Wolverhampton

BSc (Hons) in Computer Science
(Software Engineering)

Cinec Campus

Pearson BTEC Higher National Diploma
(HND) in Computing

PROFILE

Enthusiastic software engineering student seeking an internship to apply theoretical knowledge and gain hands-on experience in a professional environment. Passionate about technology and eager to contribute to innovative projects while learning from experienced professionals. Committed to developing skills in software development, web development, and building a strong foundation in software engineering principles.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, Java
- **Frameworks:** React.js, React Native, Express.js, Spring Boot
- **Databases:** MySQL
- **Version Control:** GitHub
- **Tools:** IntelliJ IDEA, Visual Studio Code, Postman

PROJECTS

IoT Meter Reading System for Utility Management

Developed an integrated IoT Automatic Meter Reading (AMR) system for existing utility meters, featuring a user-friendly web application to modernize meter reading and billing processes. The system incorporates Optical Character Recognition (OCR) technology to capture and interpret meter data accurately. Users can access electricity consumption information and bills, with advanced analytics for consumption analysis. It utilizes an ESP32-CAM for capturing meter data, a Wi-Fi router for data transmission, and a central server for processing and storing the data using a Node.js script.

Technology Stack: React, Node.js with Express.js, MySQL, C++, Arduino, ESP32-CAM
Contribution: Project Development and Implementation

SKILLS

- Communication skills
- Decision Making Excellent
- Team Work
- Fast Learning Ability
- Leadership skills
- Positive Attitude

"Place Diary": Android App for Personalized Place Tracking

Developed a mobile application to facilitate users in storing and managing information about places they have visited. The application offers functionalities for adding, deleting, updating, and searching visited places. Users can input details such as title, description, images, and the date of visit, along with precise location tagging through integration with Google Maps.

Technology Stack: React Native, Node.js with Express.js, Android Studio, MySQL
Contribution: Backend & Frontend

REFERENCES

Mr.Sasitha Asaranga

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Mr.Yasindu Sathsara

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Intelligent Waste Management Solution

Developed an IoT-based intelligent waste management system that includes a dashboard using HTML, CSS, and JavaScript to monitor the fill levels of waste bins. The system employs an ESP32 board and ultrasonic sensors for accurate detection of fill levels. Users receive WhatsApp notifications when a bin reaches its threshold, allowing for timely waste collection. The IoT codes are implemented in C++, with backend functionality developed using Node.js (Express.js).

Technology Stack: HTML, CSS, JavaScript, C++, Node.js (Express.js), ESP32, Ultrasonic Sensors, Arduino
Contribution: Project Development and Implementation

Blog Application

Developed a mobile application for users to create, read, update, and delete blog posts. The app features a user-friendly interface built with Android Studio, utilizing Java and XML for the frontend and SQLite for local data storage. Users can manage their posts with ease, enhancing their blogging experience.

Technology Stack: Android Studio, Java, XML, SQLite
Contribution: Full-stack Development