

DIHAS SATHNINDU

Colombo, Sri Lanka

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GitHub: <https://github.com/dihassathnindu> | LinkedIn: [linkedin.com/in/dihassathnindu](https://www.linkedin.com/in/dihassathnindu)

Summary

Experienced in enterprise application development, backend optimization, and full-stack systems. Proficient in Java, Python, React, and SQL with hands-on experience developing and troubleshooting enterprise software in Agile environments. Strong analytical problem solver with experience diagnosing complex system issues and improving application performance. Interested in distributed systems, APIs, identity and access management concepts, and building scalable solutions for real-world business environments.

Professional Experience

Software Engineering Intern
IFS, Colombo

Sep 2024 – Sep 2025

- Developed enterprise features using **Marble frontend and PL/SQL backend**.
 - Investigated and resolved bugs to improve **system stability and user experience**.
 - Optimized backend queries to improve **system performance**.
 - Created **TAR automation tests** for feature validation.
 - Worked in an **Agile team** participating in stand-ups, sprint planning, and code reviews.
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Education

BEng (Hons) Computer Science
University of Westminster – Informatics Institute of Technology

Sep 2022 – Sep 2026

Edexcel A-Levels
Leeds International School
Mathematics (A), Physics (B), Chemistry (C)

Projects

Early Sepsis Detection Using Multimodal Clinical Data (Research Project)

2025 – 2026

- Built a **multimodal deep learning model** using **EHR data and clinical notes**.
- Implemented **neural networks and LSTM architectures** for temporal patient data.
- Designed the pipeline to **prevent data leakage** for realistic prediction.
- Combined structured EHR data and clinical text into a **fusion prediction model**.
- Trained and evaluated the model using **MIMIC-IV datasets**.

Technologies: Python, PyTorch, LSTM, Neural Networks, Clinical NLP

- Developed a **SwiftUI-based iOS app** that provides real-time weather data and nearby tourist locations.
- Integrated the **OpenWeather API using async/await** and implemented **geocoding with CoreLocation**.
- Built an interactive **MapKit interface** displaying points of interest and navigation features.
- Implemented **local data persistence with SwiftData** to store searched locations.

Technologies: Swift, SwiftUI, MapKit, CoreLocation, SwiftData, OpenWeather API

Link: <https://github.com/dihass/WeatherDashboard/tree/main>

PropVRty – Real Estate Marketplace with Virtual Tours

2024

- Developed a property listing platform supporting **360° virtual tours**.
- Implemented immersive viewing using **Panolens.js**.
- Integrated **Uploadcare API** for media uploads and storage.
- Built using the **MERN stack (MongoDB, Express, React, Node.js)**.

Link: <https://prop-vr-ty.vercel.app/>

Technical Skills

Languages: Java, Python, JavaScript, SQL, PL/SQL, HTML, CSS, Swift

Frameworks & Technologies: React.js, MERN Stack, Tailwind CSS, Marble

Tools & Platforms: Git, Netlify, Vercel, Panolens.js, TAR, GitHub actions

Databases: MongoDB, Oracle Database

Core Skills: OOP, API Integration, Performance Optimization, Test Automation, Agile Development, System Design, REST APIs, Authentication & Authorization, Web Security, Distributed Systems, Microservices Architecture

Soft Skills

Problem Solving

Teamwork

Adaptability

Fast Learning

Time Management

References

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