

Masith Pramuditha

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Experience

LSEG (LONDON STOCK EXCHANGE GROUP)

DEC 2023 – JUL 2024

Software Engineer – Intern

- Developed a microservices-based data distribution framework using Spring Boot, AWS, and Snowflake Data Warehouse.
- Integrated Wiremock-based endpoint mocking for testing with AWS Lambda and API Gateway.
- Configured Datadog monitors to track API latencies and set up alerts for improved incident response.
- Enhanced the API Catalog with user-based restrictions and improved frontend (React.js) and backend (Node.js) functionalities.
- Actively participated in Agile practices, including Sprints, code reviews, and maintained detailed documentation.

Education

BSc (Hons), Software Engineering, University of Kelaniya, Sri Lanka.

JUL 2021 – FEB 2025

CGPA - 3.8/4.0 GPA

Research

Explainable Deep Learning for Chronic Kidney Disease Prediction: Enhancing Transparency and User-Friendliness in Medical Decision Support. (NOV 2024 – PRESENT)

This research will focus on developing a Deep Learning Model for forecasting CKD progression and applying Explainable AI (XAI) to simplify the explanation of the disease cause for user comprehension. Additionally, the system will suggest a personalized treatment plan based on the model's results.

Projects

- **GENIUS** - A Cloud-native application that facilitates event planning | React.js, Spring Boot, AWS, Firebase SEP 2024 – PRESENT
- **GOOD-KIDNEY** – An application to predict the CKD progression | Python, CNN, Streamlit, SHAP, Gemini SEP 2024 – JAN 2025
- **MEDHIVE** - A Pharmacy application for medication purchases | React.js, Node.js, Express.js, MongoDB JUN 2023 - NOV 2023
- **FASHION GALLERY** - An E-commerce web application | React.js, Spring Boot, JWT, MySQL MAR 2023 - APR 2023
- **BEAUTY-GARDEN** - An E-commerce web application | HTML, CSS, PHP, PHP Mailer, MySQL DEC 2022 - JAN 2023

Technology & Services

- **BACKEND** - Spring Boot, Node.js, .Net
- **FRONTEND** - React.js, Angular
- **DATABASE** - MongoDB, MySQL, Snowflake, SAP HANA, Cloud Firestore
- **SERVICES & TOOLS** - Amazon Web Services, Firebase, VCS (GitHub, Bitbucket), Datadog, Power BI, Figma, Jenkins, Jira, Kafka

Professional Associations

- **PRESIDENT** - Software Engineering Students' Association (SESA), University of Kelaniya. SEP 2024-PRESENT
- **TREASURER** - IEEE Computer Society Chapter, University of Kelaniya. JUN 2022- JUL 2023

Soft Skills

• Leadership • Dedication • Continuous Learning • Creativity • Time Management • Effective Communication

References

- **Mr. Kavinda Herath** - Software Architect, London Stock Exchange Group, Sri Lanka, kavindakosala@gmail.com
- **Dr. (Mrs.) I. U. Hewapathirana** - Software Engineering Teaching Unit, University of Kelaniya, Sri Lanka, (+94) 77 732 9626, ihewapathirana@kln.ac.lk