

SANDUNI EKANAYAKE

Software Engineer

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EXPERIENCE

Software Engineer Intern

Heaven'sCode, Negombo

Apr 2024 – Oct 2024

- Developed and maintained web and mobile applications using Angular, MongoDB, HTML, CSS, JavaScript, PHP and MySQL demonstrating strong technical proficiency and hands on experienced in full-stack development.
- Collaborated with cross functional teams to design and implement features and highlighting teamwork, problem solving and communication skill.
- Utilized organizational and time management skills to prioritize tasks, meet project deadlines and adapt to dynamic requirements, ensuring high quality deliverables in a fast paced environment.

PROJECTS

Personality-Aware Hybrid Sentiment Analysis with XAI for Early Mental Health Detection on Facebook(FYP)

2024 – 2025

- The project focused on detecting early signs of depression and anxiety from Facebook posts using transformer-based deep learning, personality-trait modeling, and explainable AI to improve accuracy and interpretability.
- Contribution: Built a hybrid detection framework combining DistilBERT embeddings, MBTI personality traits, adversarial training, and rule-based classifiers for robust and personalized sentiment analysis.
- Contribution: Incorporated LIME explainability techniques to generate interpretable insights, enhancing trust and usability for mental health practitioners.

Web Application for Dulvin Exporters

2024

www.dulvinexporters.com/

- Responsibilities included designing intuitive pages, linking products, ensuring smooth functionality and User friendly.
- Contribution: Designed and implemented a user friendly web application.
- Technologies: JavaScript, HTML, CSS

Inventory Management for Nattandiya Electricals

2024

nattandiyaelectricals.lk/

- Designed and developed an inventory management system for a hardware/electrical business with modules for employees, suppliers, customers, sales, and financial tracking, with admin-only access.
- Built the login system and core inventory management module, ensuring secure access and real-time stock tracking.
- Angular, MongoDB, Azure

SUMMARY

Full-Stack Software Engineer with hands-on experience in web and mobile application development. Skilled in Angular, Spring Boot, Java, MongoDB, and front-end technologies for building scalable and user-friendly solutions. Experienced in projects spanning inventory systems, export management, and mobile applications, with strong problem-solving and teamwork abilities. Solid academic foundation (BSc. IT Hons) with a focus on practical implementation of modern frameworks and tools.

SKILLS

Languages: Java, Python, JavaScript, PHP, SQL

Frameworks/Tools: Spring Boot, Angular, Node.js, React, Flutter, Redux, Git/GitHub, Azure, Docker

Databases: MongoDB

AI/ML: NLP (Transformers, Pytorch)

EDUCATION

B.Sc. (Hons) in Information Technology

BCI Campus

2021 – 2025

GPA: 2.98 / 4.00

G.C.E A/L

Sirimavo Bandaranayake Vidyalaya - Colombo 07

2020

REFERENCES

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