



LASITHA DILSHAN THILAKARATHNA

SOFTWARE ENGINEER

Personal information

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Github

<https://github.com/lasithadilshan>

Linkedin

<https://www.linkedin.com/in/lasitha-thilakarathna-3027ab120/>

References

Jeewaka Nuwan Fernando

Associate Architect - Virtusa

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jeevakanuwan@gmail.com

Nirodha Rupasinghe

CEO - Java Institute

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nirodha@javainstitute.edu.lk

Objective

I am a Software Engineer with 4 years of working experience in IT Industry. I am looking for opportunities in career growth and stability and look forward to work with confidence in a dynamic and challenging environment, which utilize my knowledge for the benefits of your organization and enhance my skills as well.

Experience

2022 - Present

Virtusa

Associate Software Engineer, Colombo

Perform Frontend, Backend and Data Engineering (Generative AI) tasks

2021 - 2022

Surreytech Consulting Sri Lanka

Intern Engineer

One year internship - Full Stack

Education

2023 - Present

Msc in Information Technology (Reading)

SLIIT, Sri Lanka

Master of Science in Information Technology

2018 - 2021

B.Eng in Software Engineering

IIC University of Technology (IIC), Cambodia

Degree(Second Upper) (GPA - 3.56)

Projects

2024-Present

AI-POWERED CV EXTRACTOR - GENERATIVE AI

Virtusa

An AI application that extracts information from various CV formats, organizes it into a predefined template, and exports the result as Word or PDF.

Python, Generative AI, OpenAI, LangChain, LLM, FastAPI, React JS

2024

SDLC AUTOMATATION - GENERATIVE AI

Msc Final Year Project

Developed a system leveraging Generative AI to enhance the Software Development Life Cycle by automating the generation of user stories, test cases, and scripts.

Python, Generative AI, OpenAI, LangChain, LLM

<https://github.com/lasithadilshan>

2024

BRD TO USER STORY GENERATION - GENERATIVE AI

Virtusa - Generative AI Hakathon

Created a solution to transform Business Requirement Documents (BRD) into user stories using Generative AI, streamlining the software development process.

Python, Generative AI, OpenAI, LangChain, LLM

2023

AFTER HOUR TRANSPORT & FOOD MANAGEMENT SYSTEM

Virtusa

Created a solution to manage foods and transport facilities for the employees to work after office hours.

Microsoft Power Apps, Microsoft SharePoint React TypeScript

2022

PROTECTIVE_OPENTEXT PROGRAM(PRINT_PRO)

Virtusa Client Project

ANGULAR PROJECT

TypeScript, Bootstrap,CSS, Scss, Material UI

2021

DOCTOR APPOINTMENT MANAGEMENT SYSTEM

Surreytech Consulting Sri Lanka

Angular Project for managing and scheduling doctor appointments of patients

TypeScript, Bootstrap,CSS, Scss, Material UI

2020

SOCIAL NETWORK ANDROID APPLICATION

JAVA INSTITUTE 3'RD YEAR PROJECT

ANDROID VIVA PROJECT

Java, SQLite , Firebase , FireStore

2019

FOOD ORDERING SYSTEM

Personal Project

A solution for ordering foods

Java Native Android, Firebase

2018

SHOE SHOP WEB CART JAVA WEB APPLICATION

JAVA INSTITUTE 2'ND YEAR PROJECT

JAVA WEB APPLICATION

Java, MySQL

2017

PHONE SHOP JAVA DESKTOP APPLICATION.

JAVA INSTITUTE 1'ST YEAR PROJECT

JAVA SE APPLICATION

Java, MySql

Skills

Programming Languages

Java	●	●	●	●	●
JavaScript	●	●	●	●	●
CSS	●	●	●	●	●
Html	●	●	●	●	●
SCSS	●	●	●	●	●

Web Development

Java Spring Boot	●	●	●	●	●
Angular	●	●	●	●	●
React	●	●	●	●	●
NEST JS	●	●	●	●	●

Version control

Github	●	●	●	●	●
GitLab	●	●	●	●	●

Mobile Development

Native Android	●	●	●	●	●
Google Play Store	●	●	●	●	●

Generative Artificial Intelligence

Open AI	●	●	●	●	●
LangChain	●	●	●	●	●
LLM	●	●	●	●	●
Hugging Face	●	●	●	●	●
FastAPI	●	●	●	●	●

Database

MySql	●	●	●	●	●
PostgreSQL	●	●	●	●	●
Firebase	●	●	●	●	●

API Management

Spring Boot API	●	●	●	●	●
Fast API	●	●	●	●	●
NEST JS API	●	●	●	●	●

Publications

Research Paper

OPTIMIZING USER EXPERIENCE THROUGH MACHINE LEARNING: A REVIEW OF KEY TOOLS AND TECHNOLOGIES

Lasitha Thilakarathna, Kulesh Abhayasundara, Gihan Thilakarathna, Diliru Nagahawatta, Jagath Wickramaratne | 2024

Conducted an in-depth review of ML applications in UX design, focusing on privacy concerns, bias mitigation, and ethical implementation. Evaluated ML tools like PyTorch, TensorFlow, and BigQuery alongside design platforms such as Figma to assess their impact on UX workflows and system adaptability. Identified research gaps and proposed best practices for responsible ML integration in digital design. Explored emerging technologies, including AR/VR, to shape the future of ML-driven UX solutions.

Competences

- ✓ **Career Essentials in Generative AI**
Microsoft and LinkedIn, 2023
- ✓ **Gen AI Hackathon Certificate of Participation**
Virtusa, 2024
- ✓ **Virtusa Custom Generative AI Pathway Certification**
Virtusa, 2024
- ✓ **Virtusa Certified GenAI Assisted Engineer Program Certificate**
Virtusa, 2024