Hi, I'm Kavisha Liyanapathirana

🌐 **Web Developer**

📊 **Data Analyst**

🤖 **ML/AI Developer**

Passionate about creating innovative solutions through code, data insights, and artificial intelligence. I transform ideas into digital reality.

About Me

Get to know more about my journey, interests, and what drives me

Hello! I'm a passionate developer

I'm a 3rd-year MIT student with a deep passion for technology and innovation. My journey in computer science has led me to explore various domains including web development, data analysis, and artificial intelligence.

I believe in the power of technology to solve real-world problems and make a positive impact on society. Whether it's building responsive web applications, analyzing complex datasets, or developing machine learning models, I approach each project with curiosity and dedication.

When I'm not coding, you can find me exploring new technologies, contributing to open-source projects, or sharing knowledge with the developer community.

Personal Information

Name: Kavisha Shehani Liyanapathirana

Location: Kelaniya, Sri Lanka

Education: Bsc(Hons.)IT-Undergraduate

Languages: English,Sinhala

What I'm Passionate About

💻

Coding

Building innovative solutions

📊

Data Science

Extracting insights from data

🤖

AI/ML

Creating intelligent systems

🎨

Design

Crafting beautiful interfaces

🖼️

Learning

Continuously growing

🌟

Innovation

Thinking outside the box

3+

Years of Study

15+

Projects Completed

15+

Technologies

100%

Commitment

🚀 **Technical Expertise**

Comprehensive technical skills spanning multiple domains of modern software development

⭐ All Skills 🎨 Frontend ⚡ Backend 📊 Data Science 🤖 AI & ML 🛠️ DevOps

⚛️

React

🟧

JavaScript

🔷

TypeScript

🟢

Vue.js

🎨

CSS3

📄

HTML5

💨

Tailwind CSS

🎨

Sass

🟢

Node.js

🚀

Express.js

🐍

Python

🎸

Django

⚡

FastAPI

🐘

PostgreSQL

🍃

MongoDB

🔴

Redis

🐼

Pandas

🔢

NumPy

📈

Matplotlib

🌊

Seaborn

🗂️

SQL

📊

Power BI

📋

Tableau

📑

Excel

🧠

TensorFlow

🔥

PyTorch

🤖

Scikit-learn

🔬

Keras

👁️

OpenCV

📝

NLTK

🤗

Hugging Face

LangChain

Git

Docker

AWS

Linux

VSCode

Postman

Figma

Jupyter

40

Technologies

5

Categories

8

Frontend

8

AI/ML

🏆 **Certifications & Achievements**

📊

Data Science 101

Cognitive Class

2025

💾

Big Data 101

Cognitive Class

2025

🔃

Data Analysis with Python

Cognitive Class

2025

💼 **Professional Experience**

My journey through various roles, projects, and educational experiences

🎓 Education 🚀 Projects

🎓

Bachelor of Science in Information Technology

University Of Kelaniya

2023 - 2027Dalugama, Kelaniya, Sri LankaCurrent Student

Pursuing comprehensive studies in Information Technology with focus on modern software development, data science, and emerging technologies.

Academic Highlights:

- Maintaining strong academic performance
- Active participation in university tech clubs
- Completed multiple practical projects
- Strong foundation in programming fundamentals

Key Coursework:

Programming FundamentalsData Structures & AlgorithmsDatabase Management SystemsWeb DevelopmentSoftware EngineeringComputer NetworksOperating SystemsMobile Application Development

3rd

Year Student

8+

Certifications

1

Education

10+

Technologies

My Projects

Explore my portfolio of web development, data analysis, and AI/ML projects

🔥 All Projects 🌐 Web Development 📊 Data Analysis 🤖 AI/ML

🛒

✅

E-Commerce Platform

A full-stack e-commerce platform built with React, PHP, and MySQL

ReactPHPMySQL

Key Features:

- User Authentication

- Payment Integration

- Admin Dashboard

- Responsive Design

📂 View Code 🚀 Live Demo

📊

✅

Diebetes Prediction model

Predict diabetes among preganant ladies

PythonPandasPlotlyStreamlit

Key Features:

- Real-time Data
- Interactive Charts
- Export Reports
- Predictive Analytics

📂View Code 🚀 Live Demo

🧠

✅

Garbage detection model

Deep learning model for classifying garbage images and detect garbage from vedios

TensorFlowPythonOpenCVHugging face

Key Features:

- CNN Architecture
- Data Augmentation
- REST API
- Model Deployment

📂View Code 🚀 Live Demo

✅

✅

Tea factory management system

A web-based solution for managing tea sack records, farmer payments, and fertilizer requests with role-based access for Admin, Manager, and Farmers.

ReactFirebaseMaterial-UISocket.io

Key Features:

- Role-based Login (Admin, Manager, Farmer)
- Tea Sack Weight Updates
- Farmer Payment Calculation
- Fertilizer Request and Deduction System

- Monthly Invoice Generation

- Secure Authentication

- Responsive UI

📁 View Code 🚀 Live Demo

🎬

✅

Movie Recommendation System

A machine learning-based system that recommends movies based on user preferences using collaborative filtering and cosine similarity techniques with an interactive UI.

PythonPandasScikit-learnIpywidgets

Key Features:

- Collaborative Filtering

- Cosine Similarity

- User & Movie Recommendations

- Interactive Interface

📁 View Code 🚀 Live Demo

👥

🚧

Customer Segmentation Using Clustering

Applied K-Means clustering to segment customers based on purchasing patterns, enabling targeted marketing strategies.

PythonK-MeansPandasSeabornJupyter Notebook

Key Features:

- Data Cleaning & Preprocessing

- K-Means Clustering Algorithm

- Elbow Method for Optimal Clusters

- Cluster Visualization

- Actionable Business Insights

📁 View Code 🚀 Live Demo

6

Total Projects

5

Completed

0

In Progress

15+

Technologies Used

Get In Touch

Let's discuss opportunities, collaborations, or just have a friendly chat!

Let's start a conversation

I'm always interested in hearing about new opportunities, exciting projects, or just connecting with fellow developers. Feel free to reach out through any of the channels below!

✉

Email

kskavisha2001@gmail.com

▦

Phone

0776876202

◉

Location

Kelaniya, Sri Lanka

💼

LinkedIn

https://www.linkedin.com/in/kavisha-shehani-480222281/

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Send me a message

Name *

Email *

Subject *

Message *

Send Message 🚀

Ready to work together?

I'm currently available for freelance projects and full-time opportunities.