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



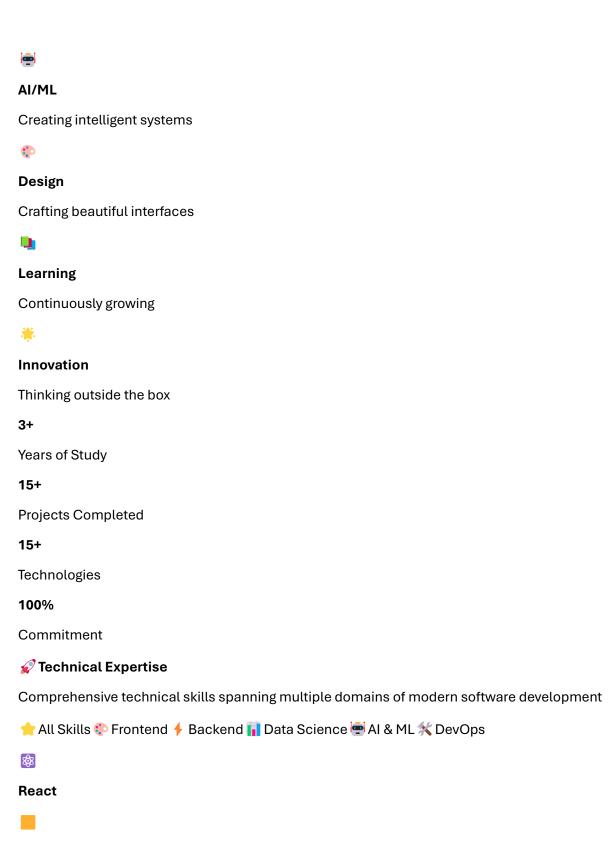
Coding

Building innovative solutions



Data Science

Extracting insights from data



JavaScript

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Vue.js CSS3 HTML5 -0; **Tailwind CSS** T Sass Node.js Express.js Q Python de la companya della companya della companya de la companya della Django 4 FastAPI 5 **PostgreSQL** MongoDB

TypeScript



Redis

Pandas 1234 NumPy / Matplotlib **C** Seaborn SQL Power BI Tableau Excel TensorFlow PyTorch Scikit-learn 5 Keras • OpenCV NLTK

S

Hugging Face ŏ8 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 - 2027 Dalugama, Kelaniya, Sri Lanka Current 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

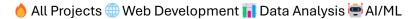
Education

10+

Technologies

My Projects

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







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





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





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





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

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!
<u>Email</u>
kskavisha2001@gmail.com
<u>Phone</u>
0776876202
<u> </u>
Location
Kelaniya, Sri Lanka
<u>LinkedIn</u>
https://www.linkedin.com/in/kavisha-shehani-480222281/

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Ready to work together?

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