

R LAKSHMI

SUMMARY

Passionate about Full Stack Development, Software Engineering, and leveraging Machine, Learning and Data Analytics to build impactful solutions.

EDUCATION :

PSG College of Technology (Coimbatore, Tamil Nadu)
Pursuing Msc Data Science (CGPA : 8.88)

2023-present

Vidhya Niketan Public School (Coimbatore,Tamil Nadu)
Class XII (Percentage : 94.4%)

2023

TECHNICAL SKILLS:

Programming Languages : Python, C/C++, SQL, HTML, CSS, Javascript, R

Databases : MySQL, Oracle(PL/SQL), SQLite

Libraries and Frameworks : Django,React,NLTK,Pandas, Scikit-Learn

PROJECTS:

- [Soft Paws Studio](#) : Soft Paws Studio is a user-friendly e-commerce platform built with **Django, HTML, CSS ,Javascript** frontend and **MySQL** database. It allows customers to browse various products, manage a shopping cart, make secure purchases, and leave

product reviews. With a focus on simplicity and usability, Soft Paws Studios aims to provide a seamless shopping experience.

- [Media Player Controller](#): A web-controlled media player interface using **Rust** and **Actix-Web**, integrated with MPV via Unix domain sockets. Features include real-time play/pause, seek, volume control, and track navigation, with state management.
 - [Plagiarism Detector](#): Developed a desktop-based plagiarism checker in **Python** using **N-gram matching** with a Trie data structure for efficient comparison. The tool preprocesses and analyzes input text against existing files, computes similarity scores, and highlights common substrings.
 - [Youtube Data Analysis](#) : This project is a **Streamlit**-based web application that allows users to fetch YouTube video data based on a search query, store it in an **SQLite** database, and analyze it using various techniques such as Exploratory Data Analysis (EDA), Time Series Analysis (using Prophet and moving averages), Sentiment Analysis (on video comments)
 - [Gemini clone](#) : Gemini Clone is a full-stack web application built with **React + Vite** and **Node.js**, replicating the core experience of Google Gemini. It allows users to interact with an AI assistant through a sleek, responsive interface powered by the Gemini API.
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EXTRACURRICULAR ACTIVITIES:

- **ROTARACT CLUB** : Member of the design team of PSG Rotaract Club.
- **GLOBAL LEADER'S FORUM** : Member of the MUN team of PSG Global Leader's Forum.