

RAGU PALANI

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SUMMARY

I am a creative thinker and skilled software developer and data analyst, with a strong foundation in both fields. Eager to apply my innovative mindset and expertise in developing cutting-edge solutions, I am committed to continuous learning and delivering impactful results with integrity and professionalism.

ACADEMIC PROJECTS

MOBILE STORE MANAGEMENT SYSTEM / Jan 2025 - Mar 2025

Individually developed the **Mobile Store Management System** project, utilizing creative thinking to manage mobile product sales and service operations in real time.

MongoDB React.js Node.js Express Stripe API

PDS MANAGEMENT / Sep 2023 - Dec 2023

Collaborated with teammates, leveraging teamwork and creative thinking, to bring the **Public Distribution System** (PDS) Management project to life, effectively assisting ration card members.

HTML CSS Python Django SQLite3 GitHub

RESEARCH PAPER

MACHINE LEARNING MODEL FOR STUDENT STRESS LEVEL PREDICTION

Collaboratively developed and analyzed a **Machine Learning Model** using K-Nearest Neighbors and Naive Bayes classifiers, leveraging **Google Colab** for execution and **Matplotlib** for data visualization. The project involved evaluating model performance on various datasets with a team of three members

Machine Learning classification Matplotlib
Scikit-learn KNN Naive Bayes Numpy Pandas

SELF LEARNING PROJECTS

MINI E-COMMERCE / Nov 2024

Developed an E-Commerce project with a user-friendly and attractive design.

MongoDB Express.js React.js Node.js LINK

WEATHER APPLICATION / Mar 2024

Created a Weather Application using **RESTful API** and React.js to provide **real-time weather updates**.

React.js Node.js API GitHub

INNOVATION PROJECTS

DESKTOP VOICE ASSISTANT

Collaboratively developed and analyzed a **Desktop Voice Assistant** project integrated with a **Virtual Mouse** using hand gesture control.

pyautogui math enum GestureController
wikipedia mediapipe speechrecognition.

TECHNICAL SKILLS

- **Languages:** Java, Python
- **Skills:** Git & Github, DOM, OOPs
- **Database:** Mysql
- **Tools:** Eclipse, IntelliJ and VS Code
- **Framework / Library:** React, Django.

EDUCATION

Master of Computer Applications / 2023-25

Kongu Engineering College. CGPA : **7.88**

B.Sc Computer Science / 2019 - 2022

Mahendra Arts and Science College. CGPA : **7.406**

ACHIEVEMENTS

- I have **successfully solved over 140 problems** on **Leetcode**, demonstrating my **strong problem-solving skills** and **proficiency in algorithmic problem-solving techniques using JAVA**. [LeetCode Profile.](#)
- I have achieved a **3-star** rating in **Java, Python, and Problem Solving** and a **3-star** rating in **SQL** on **HackerRank**, showcasing my expertise in **coding, database management, and analytical problem-solving**. [HackerRank Profile.](#)

CERTIFICATES

- **Java (Basics)** at HackerRank
- **Frontend Development** at Great Learning
- Webinar - **Data Visualization using Python**
- **Java Concepts** at Infosys Springboard