

# RAGAVAN V

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## ABOUT ME

Aspiring AIML Engineer with a strong passion for leveraging artificial intelligence and machine learning to develop innovative solutions. Committed to tackling complex challenges through creativity and technical expertise, with a focus on delivering impactful results. Proficient in algorithm development, data analysis, and model optimization, complemented by excellent project management and collaboration skills. Skilled in utilizing cutting-edge tools and methodologies to enhance user experiences and streamline processes across interdisciplinary teams.

## PROJECTS

### Library Management System (LMS) Dec 2023

- Developed a comprehensive software solution for automating library operations, including book cataloging, circulation management, and user account handling. Implemented features to streamline book loans, returns, and reservations, resulting in improved efficiency and user experience.
- Technology: C language

### Face Detection Module May 2024

- Developed a face detection module using OpenCV to automate the identification of human faces in images and video streams. The module utilizes Haar Cascade classifiers for real-time detection, enhancing accuracy and speed across various lighting conditions. This project enables applications in security and user interaction, ultimately improving the user experience.
- Technology: Open CV/Python

### ChessMind: Intelligent Chess Partner Jun 2024

- Developed ChessMind, an interactive Python chess application using Tkinter to provide an engaging educational experience. The user-friendly interface allows players to make moves on an interactive chessboard. It features two game modes—Human vs. Human for friendly matches and Human vs. Engine for computer challenges. Key functionalities include move suggestions from the Stockfish chess engine, a chatbot for chess-related queries, and a comprehensive move history and analysis feature for game review.
- Technologies: Python, Tkinter, Stockfish

## TECHNICAL SKILLS

- Programming Languages: Python, Java, JavaScript, C++, C
- Web Development: HTML, CSS
- Databases: MySQL
- AI/ML Tools: TensorFlow, PyTorch, Scikit-learn, Jupyter Notebooks
- Version Control: Git, GitHub

## CERTIFICATIONS

- |   |      |
|---|------|
| C Language - Bharathidhasan University                  | 2018 |
| Web Application Development - Bharathidhasan University | 2019 |
| Completion of Python Matplotlib - Great Learning        | 2024 |
| Completion of pandas - Kaggle                           | 2024 |
| Certification in java programming - SkillRack           | 2024 |
| Certification in MySQL - SkillRack                      | 2024 |

## ACHIEVEMENTS IN CODING PLATFORMS

- Leetcode: Easy- 10 Medium- 5 Difficult-2 / [Ragavan V - LeetCode Profile](#)
- CodeChef: 4 Star in C / ragavan\_v28 | CodeChef User Profile for ragavan\_v28 | CodeChef
- Skillrack: 278 problems using Java and Database Management System

## EDUCATION

Sri Eshwar College of Engineering	B.E (CSE-AIML)	GPA 7.6	2023 - 2027
Annaamalai MatricHr Sec School	HSC	92.67%	2021 - 2023
Annaamalai MatricHr Sec School	SSLC	PASS	2020 - 2021