

# Harsha Vardhini V

## Computer Science Engineer

An Aspiring Software Developer with a strong foundation in machine learning algorithms and principles, eager to apply my skills and learn from industry experts. Seeking a job opportunity where I can contribute to innovative projects and grow professionally.

harshavarrdhini@gmail.com

8122153450

Chennai

linkedin.com/in/harsha-varadhini-v-748056222

github.com/harshav1989

## EDUCATION

### Bachelor Of Engineering

Anna University , MIT Campus

11/2021 - Present

Chennai , 8

### Central Board Of Secondary Education

Shraddha Children's Academy

06/2019 - 06/2021

Chennai , 95.2

### Central Board Of Secondary Education

Pon Vidhyashram

06/2007 - 06/2019

Chennai , 92.2

## PERSONAL PROJECTS

A Hybrid Feature Selection Model for Heart Attack Prediction using IoMT Devices  
(02/2024 - 05/2024)

- Developed a machine learning model using Extra Trees Classifier for heart attack prediction.
- Implemented optimization techniques like FCBF, ACO, and Genetic Algorithms.
- Achieved an accuracy of 98.5% with a response time of 0.0013 seconds on edge devices.

Song Recommendation system for Spotify  
(04/2024 - 05/2024)

- Developed a comprehensive music recommendation system utilizing feature engineering, TF-IDF vectorization, and cosine similarity to enhance playlist curation
- built using python and using Spotify API

Handwritten Character Recognition System  
(04/2024 - 05/2024)

- Engineered a deep learning model from scratch to recognize handwritten characters. Implemented image processing with OpenCV and utilized Keras for model training. Integrated the model into a user-friendly GUI application using Tkinter.
- Technologies Used: Python, OpenCV, Keras, Tkinter, PIL, NumPy.

Chat Application (11/2023 - 12/2023)

- Multi-user client server architecture built using Java with notification , media sharing , user online status features. GUI is built using Java SWING
- integrated with MySql for storing Chat History and Retrieval

DineEase - Restaurant Web Application  
(05/2024 - 07/2024)

- Developed a comprehensive restaurant web application using MongoDB, Node.js, Express.js, Next.js, React.js, and Tailwind CSS.
- featuring dynamic menu display, online reservations, and an admin panel for management.

## SKILLS

Java

Python

C

SQL

JavaScript

CSS

HTML

Mysql

Data Science

Machine Learning

MongoDB

Node JS

React JS

Express JS

## ACHIEVEMENTS

Hackerrank

Bronze Badges in C , Java , Sql , Problem solving

Leetcode

Solved 100+ Leetcode problems

## ORGANIZATIONS AND VOLUNTEERING

Computer Society Of MIT (08/2022 - Present)

Design team

National Service Scheme (11/2021 - 08/2022)

Volunteer

Prayatna 2024

Organized PYDON event for the 2024 Prayatna

## CERTIFICATES AND COURSES

Production Machine Learning Systems (01/2024 - 02/2024)

course offered by google cloud

Introduction to Front-End Development  
(06/2024 - 06/2024)

course offered by Meta

Programming with JavaScript (06/2024 - 06/2024)

course offered by Meta

Applied Data Science by IBM (08/2023 - 11/2023)

Networking Essentials (03/2023 - 05/2023)

Course Provided by CISCO

## LANGUAGES

English

Full Professional Proficiency

Tamil

Full Professional Proficiency

Hindi

Professional Working Proficiency

## INTERESTS

Data Science

Machine Learning

Video Editing