JAYASIMMA M S

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Profile

I am a highly enthusiastic engineer with a strong foundation in front-end development, gained through extensive hands-on experience in creating responsive and user-friendly web applications. I am eager to expand my expertise into back-end development, driven by a passion for crafting seamless and efficient full-stack solutions. With a keen eye for detail, I strive for perfection and simplicity in every project, always bringing energy and innovation to my work.

Education

B.Tech in Information Technology, Sona College of Technology (2021-2025)
CGPA: 7.77/10

HSC, Glazebrooke Matric Higher Secondary School (2020-2021)
Percentage: 87%

SSLC, Glazebrooke Matric Higher Secondary School (2018-2019)
Percentage: 86.8%

Technical Skills

Programming Languages: Python, Java (Basics)
Web Development: HTML, CSS, Bootstrap, JavaScript, React JS, Node JS, Flask
Database: SQL
Machine Learning: Supervised Learning

Projects

Automated Car Price Predictor

- *Description:* A web application that predicts car prices using user input, leveraging FastAPI and XGBoost machine learning models.
- *Tech Stack:* HTML, CSS, JavaScript, FastAPI, XGBoost.

User Manager Using Flask

- *Description:* A web-based user management system allowing CRUD operations, built with Flask, HTML, and Bootstrap.
- *Tech Stack:* HTML, Bootstrap, Flask.

Weather App

- *Description:* A weather forecasting app that provides real-time weather updates using OpenWeather-API, with a user-friendly interface.
- *Tech Stack:* React, OpenWeatherAPI.

E-commerce for Used Cars

- *Description:* An e-commerce platform for buying and selling used cars, integrating Django and Node.js for full-stack development.
- *Tech Stack:* HTML, CSS, JavaScript, Django, Node.js.

Severity grading of osteoarthritis

- *Description:*Detecting whether the person has symptoms of osteoarthritis with the help x-ray image using CNN
- *Tech Stack:* Python, CNN

Street light automation

- *Description: Made a Prototype for street light automation system with arduino uno,ldr and ultrasonic sensor*
- *Tech Stack:* Python, CNN

Product Showcase

- *Description:* A dynamic and responsive product showcase built with React and CSS for modern and engaging presentations.
- *Tech Stack:* React, CSS.

Certifications

- Python - GUVI
- Python Certificate - HACKERRANK
- SQL Skill Certification (BASIC, INTERMEDIATE, ADVANCED) - HACKERRANK
- English Certification - EF SET
- Cloud Computing - NPTEL
- Java Programming - NPTEL
- Java - SPOKEN TUTORIAL IIT

Areas of Interest

- Front-End Development
- Python Programming
- OOPs
- SQL

Soft Skills

- Leadership
- Problem Solving
- Decision-making
- Adaptability
- Time Management

Co-Curricular Activities

- Participated in SMART INDIA HACKATHON
- Participated in APTITHON, Sona College of Technology
- Organized PORT'23 and PORT'24 on behalf of the Department of Information Technology
- Managed various events on behalf of Sona Programming Club