SANJANA A

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PROFILE

Enthusiastic software developer with a strong foundation in programming and exceptional problem-solving skills. Experienced in projects involving machine learning, embedded systems, and web development. Passionate about continuous learning and delivering efficient solutions.

EDUCATION

Bachelor of Engineering – Electronics and Communication Engineering   2021-2025
Vidyavardhaka College of Engineering (CGPA-9.3/10)

PUC - PCMB   2019-2021
Marimallappa pu college, Mysore (2nd puc - 98.83%)

High School   2015-2018
Good Shepherd Convent, Mysore (10th std - 97.23%)

TECHNICAL SKILLS

- Programming Languages: C, C++, Python(Basics)
- Development: HTML, CSS, Java script, Node.js, React.js
- Database: MySql, Mongo db
- Core Concepts: OOPS, Operating System(Basics)
- Electronics: Digital Electronics, Microcontrollers, Sensors
- Project Tools & Technologies: Machine Learning, Streamlit, Jupyter Notebook

PROJECTS

Currency Convertor:
Github link: Click here
- Use HTML, CSS, and JavaScript to create and style the currency converter interface.
- Fetch real-time exchange rates using free APIs like exchangerate.host.
- Calculate conversions dynamically in JavaScript and display results instantly.

Prediction of CO2 emission by vehicles:
Github link: Click here
- Craft a learning model addressing linear regression overfitting issues and resolve it using L1 regularization.
- Employ hyperparameter tuning for optimal performance and visualize the process.
- Deploy the model as web application using streamlit to make it available to everyone

Cloths price prediction:
Github link: Click here

- Hyperparameter tuning and implementing Decision Tree model to predict the price of cloths based on brand, material, type and its state.
- Deploy the model as web application using flask to make it available to everyone.

Amazon Clone (HTML & CSS):

Github link: Click here

- Developed a replica of the Amazon website's front-end interface using HTML and CSS to practice web design principles
- Implemented a clean and user-friendly design, showcasing skills in layout creation, styling, and web page structuring without the use of JavaScript or backend technologies.

CERTIFICATIONS

Microsoft Azure Cloud : ICT Acadamy

- Participated in a five-day workshop on Microsoft Azure Cloud Services, where I completed all the labs offered in the course.

MCT Certified Power BI: Skill Nation

- participated in a Power BI workshop where I learned data visualization techniques, data modeling, and report development skills.

STRENGTHS

Quick Learner, Critical Thinking, Team Player, Problem Solver ,Work ethic, Communication and Leadership.

ACTIVITIES

Member of Youth for Seva club : Participated in a range of activities that highlights Communication and Teamwork.

Infothon: Participated in National level hackathon under the domain of IOT conducted by VVCE.

Member of IEEE: Participated in organizing many events conducted by IEEE. Also Participated in many workshops.

LANGUAGE COMPETENCIES

Kannada: Native language, English: Fluent, Hindi: Fluent