Prema Latha S

B.Tech Artificial Intelligence and Data Science

A highly motivated and detail-oriented Software Engineer with strong communication and collaboration skills, enabling effective teamwork and clear technical articulation. Skilled in full-stack development, object-oriented programming, and data structures. Proficient in Java, Python, JavaScript, SQL, and modern frameworks like ReactJS, Node.js, and Spring Boot. Experienced in building scalable web applications, integrating RESTful APIs, and applying machine learning to real-world problems. Adept at working in agile teams and committed to delivering efficient, secure, and user-friendly solutions.

Projects

Movie App - Web

Developed a web-based music player using HTML, CSS, JavaScript,and Node.js, enabling to discover, explore, and manage information about movies

Camera Detection - Computer Vision

Built a real-time hidden spy camera detection system using computer vision methods like SSD and image processing techniques.

Shoplifting Detection- Machine Learning

Developed a real-time shoplifting detection system using YOLO and OpenCV to monitor suspicious activities in retail stores.

Toxic-Plant Classification - CNN

CNN-based model leveraging ResNet, DarkNet, and LSTM for toxic plant identification with 97%+ accuracy

Internship

Music Player Project | Internship at Arjun Vision Tech   June-July 2024

Developed a web-based music player with HTML, CSS, JavaScript, and Node.js, featuring audio playback controls, playlist management, and a responsive user interface. The project enhanced my front-end development skills and provided a hands-on experience in full-stack development.

Pet store development|Implant at Edify Techno Solutions   Feb 2024

Implemented comprehensive website design and development for a pet store as part of an internship.Utilized HTML and CSS for the frontend, incorporating JavaScript to enhance interactivity and user experience.

Educational Background

Saveetha Engineering College   2022-2026

B.Tech Artificial Intelligence and Data Science   CGPA-8.7

St.Paul's Matriculation Higher Secondary School

HSC - 93.3%   2022

SSLC-84.8%   2020

Achievements

- **Event Coordinator** - organized an event PROMPT ARENA in Drestein'24
- **AIML Challenge 2024 :**

Competed in Amazon's machine learning challenge, applying machine learning models to address real-life business problems and improving model accuracy through innovative approaches.

- **IBM Z Datathon 2024:**

Engaged in a collaborative data science competition, leveraging IBM Z technology to analyze large datasets and develop data-driven solutions for industry challenges.

- **Led workshops and coding sessions on AI & ML:**

Led interactive workshops and hands-on coding sessions on Artificial Intelligence and Machine Learning.

Contact

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https://premalatha-sureshbabu.github.io/Portfolio-/

Skills

Technical Skills

- C
- Python
- Java
- SQL
- Web development
- Machine Learning
- Prompt Engineering

Soft Skills

- Communication
- Time Management
- Teamwork
- Creativity
- Analytical Thinking
- Problem Solving

Tools/Software

- Git
- GitHub
- Postman
- VS Code
- Jupyter Notebook
- Google Colab
- Figma
- Android Studio
- OpenCV

Certification/Short Courses

- MERN Full Stack
- AI with Python
- OpenCV:Manipulating Images
- Image Processing with Python
- UX design for web developers
- Dynamic speaking specialization
- Social Network(NPTEL)
- Tensorflow for AI,ML,DL NLP and CNN inTensorflow ,Data Analysis in Microsoft Excel,Microsoft PowerBi Data Analyst(Coursera)
- Introduction to HTML, CSS, & JavaScript
- Generative AI for Everyone