Namratha N B

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Description

I am proficient in a range of programming languages, including Python, C, HTML, and Java, and have applied these skills in a variety of software development projects. Currently, I am pursuing advanced studies in AI and ML, with a particular interest in deep learning and large language models (LLMs). My commitment to continuous growth, both technically and professionally, positions me to contribute effectively in cutting-edge environments.

Education

BE in Artificial Intelligence and Machine learning, Global Academy of Technology 2021 – 2025

- CGPA : 9.72

Pre University State Board, MES PU College 2019 – 2021

- Percentage : 90.33

10Th Standard State Board , Stella Maris high school 2018 – 2019

- Percentage : 96.80

Internships

IEEE CS Bangalore Chapter Internship and Mentorship Program April-September,2024

- **Position**: Project intern
- **Title** : Intelligent Enterprise Assistant: Enhancing Organizational Efficiency through AI-driven Chat bot Integration

Bharat Electronics Limited October-November,2024

- **Position**: Software intern
- **Title** : Intelligent AI report summarizer using offline models: Exploring Pegasus, DistilBART and FlanT5

Projects

Expense Tracker Web Application

- Developed a web-based expense tracker that allows users to efficiently manage and track their spending in real time, with features like user authentication, data visualization, and secure expense management.
- Tools Used: HTML, CSS, JavaScript, MySQL, XAMPP

Image classification for medical diagnosis : Dermatology

- I worked on a medical image classification project focused on dermatology, using the VGG16 deep learning model to accurately identify and classify skin conditions from images.
- Tools Used: Python, TensorFlow, Keras

Smart pedestrian system using YOLOV8

- Developed a Smart Pedestrian System using the YOLOv8 object detection model to identify and track pedestrians in real time.
- Tools Used: Python, OpenCV, TensorFlow

Feedback Mechanism for Public-Speaking using Audio and Video Analysis

- Developed a Feedback Mechanism for Public Speaking that leverages audio and video analysis to provide constructive feedback to speakers. Utilizing the VGG16 model for video analysis and large language models (LLMs) for generating personalized feedback, the system evaluates various aspects of a speaker's performance, including body language, voice modulation, and content delivery.
- Tools Used: Python, VGG16, OpenCV, Librosa, TensorFlow/Keras, Hugging Face Transformers, LLMs

Skills

Languages: C, Python, Java, SQL, JavaScript, HTML, CSS

Technologies: Large language models, NLP, Deep learning, Machine learning, Reactjs, MySQL, MongoDB, TensorFlow, Keras, PyTorch, OpenCV, NLTK, Figma, Whimsical, Canva, Tinkercad

Soft Skills

Teamwork, quality of leadership, confidence, public speaking, aptitude, reasoning skills, self-awareness, value and listening skills.

Leadership and Extra-curricular

- Founding Core Committee Member of WORDSMITHS: The Content Writing Club of the Department of AI ML.
- Member of IEEE Computer Society Bangalore.
- Editor in the official department newsletter 'extrodinAIre'.