SREEHARSHA MUTTAMATAM

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OBJECTIVE

As an AI/ML enthusiast with expertise in data science, machine learning, and software engineering, I am eager to apply my skills to real-world projects. I excel in collaborative environments and have experience leading AI initiatives and developing machine learning models. My goal is to leverage my expertise to drive innovation and deliver impactful solutions in the AI field.

EDUCATION

B.Tech, Artificial Intelligence and Data Science, Saveetha School of Engineering, India   2021 - Present
CGPA: 9.0/10
Relevant Coursework: Machine Learning, Computer Vision, Natural Language Processing, Data Structures, Cloud Computing, Python Programming

SKILLS

Programming Languages	Python, Java,C,C++, JavaScript, SQL, HTML, CSS
Technical Skills	Machine Learning, Computer Vision, Data Science, OCR, Deep Learning, NLP
Libraries/Frameworks	TensorFlow, Keras, PyTorch, OpenCV, Scikit-learn, NumPy, Pandas
Soft Skills	Teamwork, Communication, Problem-Solving, Leadership

EXPERIENCE

AI/ML Lead   Aug 2024 - Present
Google Developer Group - SIMATS   *SIMATS, India*

- Leading the development of AI/ML models for predictive analytics and computer vision applications for college projects.
- Organizing workshops and events on AI/ML topics for students and faculty, promoting learning and collaboration.
- Collaborating with cross-functional teams to integrate AI solutions into practical applications.

Machine Learning Intern   2024(May) - 2024(October)
Team Infits - Remote

- Developed machine learning solutions for clients, focusing on predictive analytics, computer vision, and automation systems.
- Specialized in custom AI model development, including natural language processing and object recognition.

PROJECTS

- **Whisper Hindi ASR Model**   *2024*
  Developed an automatic speech recognition model for the Hindi language using the Whisper model. Evaluated performance with WER calculation on the Kathbath dataset.
  GitHub Link

- **Package OCR System**   *2024*
  Created an OCR system that detects and standardizes package weights across different units using computer vision techniques.
  GitHub Link

- **Tomato Quality and Packet Details** *2024*
  Integrated OCR and large language models to extract packet details and assess tomato quality, improving quality control in agriculture.
  [GitHub Link](#)

- **Agrestart** *2024*
  Developed a platform for agricultural analysis, providing insights into soil quality, leaf disease, and pest detection using AI models.
  [GitHub Link](#)

- **Garbage Type Detection** *2023*
  Implemented a multi-algorithm comparison for garbage classification, utilizing 6 different models for improved waste management systems.
  [GitHub Link](#)

- **ISRO Sentiment Analysis** *2023*
  Analyzed YouTube comments on the Chandrayaan 2 mission using sentiment analysis, offering insights into public opinion about India's space endeavors.
  [GitHub Link](#)

- **Job Recommendation System** *2024*
  Built a personalized job recommendation system using machine learning to match user profiles with job opportunities based on preferences and experience.
  [GitHub Link](#)

- **GitHub Profile Analyzer** *2024*
  Developed a Flask-based application to analyze GitHub profiles, providing improvement suggestions and rating profiles based on activity and contributions.
  [GitHub Link](#)

EXTRA-CURRICULAR ACTIVITIES

- Active contributor to the AI/ML community, organizing workshops and events to promote learning and collaboration among students and professionals.

- Participated in various Hackathons related to AI/ML and more other tech stacks.

LEADERSHIP

- Lead AI/ML initiatives at Google Developer Group - SIMATS, where I manage the development of ML models and coordinate workshops.

- Coordinated a team of 8 members for various projects in Team Infits.