

Yarrapothu Sai Chandu

Data Scientist

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Profile

I am Yarrapothu Sai Chandu, currently pursuing a Bachelor of Technology in Computer Science Engineering with a specialization in Artificial Intelligence and Machine Learning at VIT AP University. As an enthusiastic and proactive AI and ML student, I am dedicated to advancing my expertise in these fields. I am passionate about continuous learning, tackling complex problems, and seeking opportunities to contribute to innovative solutions in AI and ML.

Education

Computer Science Engineering (Specialization in AI&ML)

Vellore Institute of Technology, Amaravati (CGPA-8.01)

Higher Secondary Education in MPC

Sri Chaitanya College, Vijayawada (CGPA-9.67)

Primary Education (SSC)

Bhashyam High School, Vijayawada (CGPA-10.0)

Skills

Languages: Python, Java, SQL, Matlab

Frameworks: Scikit-Learn, Pandas, Numpy, Matplotlib, Seaborn, Tensorflow, Keras, PyTorch, Django

Tools: Git, Anaconda, MySQL, VSCode, PyCharm, Jupyter Notebook, Excel, PowerPoint.

AI & ML: LLM Fine-Tuning, NLP, Neural Networks, Model Evaluation, Hyperparameter Tuning

Soft Skills: Problem Solving, Communication, Team Collaboration, Analytical Thinking, Time Management

Projects

Advanced Reinforcement Learning and LLM Fine-Tuning

I developed and fine-tuned reinforcement learning models, such as Q-learning, Deep Q-learning, and the A3C algorithm, to address complex decision-making challenges. Additionally, I fine-tuned a large language model using the Hugging Face framework for specific domain applications. This project involved optimizing model performance and testing in real-world scenarios to ensure effective and efficient solutions.

MINDCARE - An AI-Driven Mental Health Wellness Platform

Developed a web-based platform integrating AI to promote mental health awareness and care. Key features include an AI-powered chatbot to assist users with any medical condition, personalized mental health diagnosis quizzes, and resources like yoga, exercises, and self-help tools. The platform aims to reduce stigma, encourage early intervention, and prioritize mental well-being.

Dog Breed Classification using Deep Learning

Developed a CNN-based classification system to identify dog breeds from images using GoogleNet and data augmentation. Enhanced accuracy for applications in canine healthcare, pet adoption, and animal welfare.

Professional Experience





Visakhapatnam Steel Plant (RINL Internship)

09/2023 – 10/2023

Project Trainee

Developed and deployed ML models for yard management and implemented backend services using Django, enhancing operational efficiency and system functionality.

Certificates

- Artificial Intelligence A-Z 2024: Build 7 AI + LLM & ChatGPT 
- Machine Learning A-Z: AI, Python & R + ChatGPT Prize [2024] 
- Career Essentials in Generative AI by Microsoft and LinkedIn 
- RINL Trainee 

Languages

- English
- Telugu
- Hindi
- Spanish(Beginner)