

Sowmya Kanithi

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Objective

Motivated Machine Learning and Python developer with strong foundations in data analysis, algorithm development, and AI integration. Experienced in applying machine learning techniques to real-world projects with a focus on problem-solving and efficiency. Recognized for leadership, teamwork, and continuous learning. Seeking a role as an ML Engineer, Data Scientist, or Python Developer with AI integration in an innovation-driven environment. .

SKILLS

- **Programming Languages:** Python, C/C++ , HTML/CSS
- **Machine Learning:** Supervised and Unsupervised Learning , Model Training , Evaluation , Regression, Classification, Clustering
- **Natural Language Processing:** Text Preprocessing, Tokenization, Vectorization, Sentiment Analysis
- **Libraries and Frameworks:** NumPy, Pandas, Matplotlib, Scikit-learn, NLTK, YOLO, OpenCV
- **Tools and Platforms:** Jupyter Notebook, Google Colab, Streamlit , Gradio, PyCharm, VS Code, Git, GitHub , MATLAB, Windows
- **Databases:** SQL
- **AI Technologies:** Hugging Face Spaces
- **Soft Skills:** Leadership, Communication , Analytical Thinking , Time Management, Budgeting Finance, Adaptability, Organizing

Education

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| • Bachelor Of Technology(B.Tech E.C.E)
Rajiv Gandhi University Of Knowledge Technologies, ONGOLE | 2022-2026 Expected | CGPA: 8.31 |
| • Pre University Course-(PUC M.P.C)
Rajiv Gandhi University Of Knowledge Technologies, ONGOLE | 2020-2022 | CGPA: 9.0 |

Internship Experience

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| Machine Learning Intern : Talent Trek e-learning (Remote)
Project: -Developed and Gained hands-on experience with scikit-learn, pandas,NLP,streamlit and model evaluation techniques | May 2025 – Aug 2025 |
| Machine Learning Intern : InternshipStudio (Remote)
Project: -Worked on building and evaluating ML models with 95 percent accuracy for supervised learning tasks (classification regression) | Aug 2024 – Jan 2025 |

Projects

Twitter Sentiment Analysis NLP – Python, NLP | [GitHub](#) |

- Built a sentiment analysis system on Twitter data using text preprocessing, tokenization, and vectorization.
- Classified tweets as positive or negative with accuracy

AgriPredict – Crop Recommendation – Python, ML | [GitHub](#) |

- Developed a predictive model to suggest optimal crops based on environmental data.
- Applied machine learning algorithms to deliver actionable insights for smarter, sustainable farming.

Object Detection YOLO – Python, OpenCV, YOLOv4 | [GitHub](#) |

- Implemented a real-time object detection system to detect multiple objects with high precision.
- Tested and evaluated the system on multiple datasets to ensure high detection accuracy across varied environments.

Open-Source Multi-Agents – Python, Gradio | [GitHub](#) |

- Created a multi-agent AI system with a user-friendly GUI.
- Enabling seamless agent collaboration without external API dependencies.

Volunteer Experience

Student Coordinator: Department Higher Education Cell

- Department of Placements and Internships Standing Committee

Finance and Budgeting Committee Coordinator: Managed and organized institute budget matters in Ornate'25 IIIT ONG.

Technova Student Coordinator Incharge: Organized technical events in department