

# Varikuntla Sai Manoj

Bachelor of Technology

Artificial Intelligence and Machine Learning

Malla Reddy University, Hyderabad

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[VARIKUNTLASAIMANOJ.me](https://VARIKUNTLASAIMANOJ.me)

## EDUCATION

Degree	Institute	CGPA/Percentage	Year
B.Tech., AIML	Malla Reddy University, Hyderabad	7.88(current)	2022-2026
12 <sup>th</sup> (StateBoard)	Narayana Junior College, Hyderabad	78.8	2022
10 <sup>th</sup> (StateBoard)	Gowtham Model School, Hyderabad	9.7	2020

## TECHNICAL SKILLS

- Programming Languages:** Python, Java
- Machine Learning:** Numpy, Pandas, Matplotlib, NLP
- Development Frameworks & Technologies:** React.js, Flask
- Databases:** MySQL
- Tools:** GIT, Postman
- Cloud:** GCP

## PROJECTS

- ToxiDetect(Comment Toxicity Detection)** Aug 2024 - Dec 2024 
  - Developed an AI-powered toxicity classification system to detect and classify toxic comments such as hate speech and threats, enhancing online safety through advanced natural language processing and deep learning techniques.
  - Built the system using DistilBERT, Gradio, and multimodal analysis (text, audio).
  - Demonstrated real-time toxicity detection and user interaction by integrating a web interface with a feedback mechanism for continuous improvement. The project showcases the ability to implement NLP models, handle multimodal data, and build intuitive, responsive applications.
- Flora-ID(Iris classification)** Feb 2024 - Jun 2024 
  - Developed a machine learning-based classification system to predict the species of Iris flowers using sepal and petal measurements. The system enhances botanical identification through intelligent prediction and visualization.
  - Built the system using supervised learning techniques, leveraging features like sepal width/height and petal width/height.
  - Demonstrate real-time prediction and user interaction by displaying the predicted species along with its image and details. The project showcases the ability to implement ML models, handle numerical features, and create interactive visual outputs.
- Nova-AI** Jul 2023 - Jan 2024 
  - Developed Nova AI, an intelligent chatbot designed for knowledge assistance and personalized conversations, enhancing user engagement and productivity through smart, real-time interactions.
  - Built the system using the Google Gemini API, integrating features such as voice input, text-to-speech, PDF processing, and real-time weather updates.
  - Demonstrated advanced AI capabilities by implementing custom AI personas (Teacher, Friend, Expert, etc.), smart reply suggestions, and speech synthesis. The project showcases expertise in integrating APIs, handling multimodal inputs, and creating user-friendly, multifunctional AI interfaces.

## CERTIFICATIONS

- Introduction to Python Programming(Coursera)**
- AI For Everyone(Coursera)**
- HTML, CSS, and Javascript for Web Developers(Coursera)**

## ACHIEVEMENTS

- Secured 2nd Prize in National Level Hackathon Conducted By MallaReddy University (Domain: Generative AI).