

ANJALI SHARMA

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Career Objective

Enthusiastic AI & ML developer with a knack for transforming raw data into intelligent solutions. Skilled in Python, TensorFlow, and machine learning, eager to push the boundaries of AI-driven innovation and make a meaningful impact in the tech world.

Education

B-Tech in Artificial Intelligence & Machine Learning

Malla Reddy University, Hyderabad | *Expected Graduation: 2027*

Technical Skills

- **Programming Languages:** Python, Java
 - **Front-End Development:** HTML5, CSS, JavaScript, ReactJS
 - **Mobile Application development:** Android Studio, Flutter
 - **AI/ML Frameworks:** TensorFlow, PyTorch, Scikit-learn
 - **Database Management:** MySQL, MongoDB
 - **Tools & Technologies:** OpenCV, Docker, Git, AWS
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Academic Projects

SmartSense: AI-Powered Object Detection System

- Developed an AI-driven system to detect and identify objects with audio output.
- **Technologies Used:** Python, OpenCV, TensorFlow, Flask
- **Outcome:** Successfully improved object detection accuracy for real-time applications.

Helmet Detection System

- Designed an AI-based model to detect whether a rider is wearing a helmet.
- Captured images of non-compliant riders for further analysis.
- **Technologies Used:** YOLO, OpenCV, Deep Learning

Soil Moisture Analysis

- Developed an machine learning model for precision irrigation control in smart farming.
- Enabled real-time soil moisture monitoring to optimize water usage.
- Technologies Used: Machine Learning, TensorFlow Lite, Python
- Outcome: Improved agricultural efficiency through data-driven irrigation practices.

Crop Yield Prediction

- Implemented time-series forecasting models to predict agricultural outputs.
- Analyzed historical data to provide actionable insights for farmers.
- Technologies Used: Python, Scikit-learn, Pandas
- Outcome: Assisted in strategic planning by accurately forecasting crop yields.

Crop Disease Detection

- Built an image classification system to identify plant diseases.
- Leveraged computer vision to detect early signs of crop pathology.
- Technologies Used: Python, TensorFlow, OpenCV
- Outcome: Enabled timely intervention to prevent the spread of crop diseases.

AI Chatbot with Gemini API

- Developed an intelligent conversational agent powered by Google's Gemini API.
- Facilitated interactive user experiences through natural language processing.
- Technologies Used: JavaScript, Gemini API, Node.js
- Outcome: Enhanced user engagement by providing real-time, AI-driven interactions.

Certifications

- **Machine Learning with Python** – Coursera

- **Deep Learning Specialization** – edX
 - **Microsoft Azure**
 - **Mastering Applied-ExcelR**
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Achievements & Extracurricular Activities

- **Hackathon Goal:** Secured 10th place in Hackathon by **BITS HYDERABAD** for developing **Hawk'eye**.
- **Coding Competitions:** Participated in **CodeChef**, **LeetCode**, and **Kaggle** challenges.
- **Leadership:** Served as **Team lead** in Idea-creation and application development at Malla reddy university.