MADADAPU HEMANTHSAI

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💼 PROFESSIONAL EXPERIENCE

INTERN, *Sclanet* 🔗   03/2023 – 06/2023
Deciding the image criteria, photos are gathered, labeled with the help of the LabelImg tool, USA
and then stored on Amazon S3. Product data is gathered and stored in MongoDB concurrently.

INTERN, *H-Bots*   03/2022 – 06/2022
Built a greeting robot by combining OpenCV and facial recognition tools, putting SVMs to use, India
and adding IOT devices like temperature sensors, servo motors, Raspberry Pis, and Pi cameras.

📁 PROJECTS

Driver assistance system 🔗   11/2023 – 04/2024
Developing a device that can monitor the road and the driver respectively, Key features are lane
detection and tracking, traffic estimation, collision warning, SOS messages, Drowsiness
detection and activity detection { Smoking / Drinking }.

Agriculture surveillance robot for detecting abnormalities in crop growth   present
Developing a rover that keeps an eye on the crops, detects unhealthy crops, alerts the farmer to
potential solutions, connects them to the closest test facilities, and periodically checks the crop
growth for anomalies.

Greeting Robot 🔗   03/2022 – 06/2022
Developed a Robot using face-recognition and OpenCV which recognizes the person and using
pyttsx3 library it greets the person with a handshake and checks the temperature.

🎓 EDUCATION

Bachelor's of Tefchnology in CSE-AI&ML, *MLR Institute of Technology*   2020 – 2024
8.65 C.G.P.A

Board Of Intermediate in MPC, *Narayana Jr college*   2018 – 2020
86% Percentage

🔬 RESEARCH WORK

Filed a patent, *Crop monitoring with AI based autonomous farm rover* 🔗

Filed a patent, *Driver assistance system* 🔗

Filed a patent, *IOT based intelligent vehicle safety system* 🔗

Filed a patent, *IOT-sensor-based plant disease diagnosis* 🔗

Filed a patent, *prediction of birds and analysis of endangered bird species* 🔗

Published a research paper,
ICCCI 2023 (14 th International Conference on Computational Collective Intelligence) on an IOT and ML based interactive Robot 🔗

🧠 SKILLS

Tools | Programming Languages -
VS Code, Collab, Jupyter, Git & GitHub | Python, C, Java, good command on DSA.

Databases | Operating systems -
MySQL, MongoDB | Windows, Linux, MacOs.

Data preprocessing | Machine Learning | Deep learning -
Numpy, Pandas, sklearn, OpenCV , CNN [ResNet, Yolo]

Personality traits -
Leadership, teamwork, critical thinking, flexibility, communication.

📇 CERTIFICATES

- Certified for Completing 1st level training program of AI-ML by SAE India 🔗
- Certified for completing 6 months training program on AIML 🔗
- Certified for course completion of Python for Machine Leaning by Great-Learning 🔗