

PADDANA PRAVEEN

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Technical Skills: Python, SQL, Tableau, HTML

Certification:

- Applied Machine Learning in Python, Coursera, Jun 23
- Data Science, Board Infinity, Feb 23
- Pre-Processing for Machine Learning in Python, Datacamp, Apr 21
- Machine Learning for Everyone, DataCamp, Apr 21

EDUCATION			
Board	Tenure	Educational institution	CGPA/Percentage
B. Tech (CSE)	Aug 2020 – Ongoing	Vellore Institute of Technology Bhopal	8.55
Class XII	May 2020	Sri Chaitanya College	94.5%
Class X	May 2018	Dr. KKR'S Gowtham School	89%

ACADEMIC PROJECTS	
Web App	Plant Disease Detection (Dec 22– May 23) <ul style="list-style-type: none">• Description: Developed a CNN based plant disease detection system, contributed to a project as part of an 8-member team.• Achieved an impressive 91% accuracy rate in disease classification; reduced image analysis time by 90% and increased training accuracy by 95%.• Created a visually appealing and user-friendly interface for this model; increasing the foot traffic by 45%.• Link and Results: https://github.com/Praveen3333P/plant-disease-detection
Machine Learning	House Price Prediction (May 23 – Jun 23) <ul style="list-style-type: none">• Description: House price prediction is a project that involves developing a model or system capable of estimating the selling price of house trained with around 15000 house prices.• Used the 2 most affective algorithms i.e, Linear Regression and Random Forest.• Achieved an impressive accuracy of 97% with the random forest algorithm.• Link and Results: https://github.com/Praveen3333P/House_Price_Prediction
Machine Learning	Voice Assistant (May 22 – Jun 22) <ul style="list-style-type: none">• Description: Led the development of a Voice Assistant project, overseeing a team of 4 members.• Utilized natural language processing (NLP) techniques and technologies such as Python, speech recognition libraries, and text-to-speech synthesis resulting in a 25% efficiency boost.• Optimized the Voice Assistant's performance by fine-tuning NLP models and incorporating advanced dialog management techniques, achieving a 95% accuracy rate in intent recognition.• Link and Results: https://github.com/Praveen3333P/Voice-assistant
Deep Learning	Object Detection (Dec 21 – Feb 22) <ul style="list-style-type: none">• Description: Spearheaded the development of an Object Detection software, engaged in a collaborative project with a team of 4 members.• Modernized a robust pipeline for data pre-processing, model training, and evaluation, resulting in an impressive 93% detection accuracy on the test dataset.• Optimized model performance by experimenting with various deep learning architectures, achieving a 90% improvement in detection speed.• Technology: Python, OpenCV, TensorFlow.

ACHIEVEMENTS	
Achievements	<ul style="list-style-type: none">• Achieved an outstanding rank of 127th out of thousands of participants across India in the prestigious Maths Olympiad IMMO.• Recipient of GVSDP Scholarship for three consecutive year (2020-2022) with Rs 1,50,000/- each year.• 2nd place in inter school cricket competition.

ADDITIONAL INFORMATION

Hobbies	<ul style="list-style-type: none">Engaging in active hobbies such as reading comics, staying up-to-date with electronics and computer-related articles.Actively engaging in recreational activities, fostering teamwork, and enhancing physical coordination and agility through cricket, badminton, and basketball.
Languages	<ul style="list-style-type: none">English-Fluent, Telugu-Native, Hindi-Beginner.