

# PADDANA PRAVEEN

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**Technical Skills:** Python, SQL, Tableau, Machine Learning, Deep Learning  
**Certification:**

- Applied Machine Learning in Python, Coursera, Jun 23
- Data Science, Board Infinity, Feb 23
- Pre-Processing for Machine Learning in Python, Data camp, 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	8.63
Class XII	May 2020	Sri Chaitanya College	94.5%
Class X	May 2018	Dr. KKR'S Gowtham School	89%

## ACADEMIC PROJECTS

Deep Learning	<b>Plant leaf Disease Detection</b> (Dec 22– May 23) <ul style="list-style-type: none"><li>• Description: Developed a CNN based plant disease detection system, contributed to a project as part of an 8-member team.</li><li>• Achieved an impressive 91% accuracy rate in disease classification; reduced image analysis time by 90% and increased training accuracy by 95%.</li><li>• Created a visually appealing and user-friendly interface for this model; increasing the foot traffic by 45%.</li><li>• Link and Results: <a href="https://github.com/Praveen3333P/plant-disease-detection">https://github.com/Praveen3333P/plant-disease-detection</a></li></ul>
Machine Learning	<b>House Price Prediction</b> (May 23 – Jun 23) <ul style="list-style-type: none"><li>• 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.</li><li>• Used the 2 most affective algorithms i.e., Linear Regression and Random Forest.</li><li>• Achieved an impressive accuracy of 97% with the random forest algorithm.</li><li>• Link and Results: <a href="https://github.com/Praveen3333P/House_Price_Prediction">https://github.com/Praveen3333P/House_Price_Prediction</a></li></ul>
Machine Learning	<b>Voice Assistant</b> (May 22 – Jun 22) <ul style="list-style-type: none"><li>• Description: Led the development of a Voice Assistant project, overseeing a team of 4 members.</li><li>• 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.</li><li>• 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.</li><li>• Link and Results: <a href="https://github.com/Praveen3333P/Voice-assistant--jarvis">https://github.com/Praveen3333P/Voice-assistant--jarvis</a></li></ul>

Deep Learning	<b>Object Detection (Dec 21 – Feb 22)</b> <ul style="list-style-type: none"><li>• Description: Spearheaded the development of an Object Detection software, engaged in a collaborative project with a team of 4 members.</li><li>• Modernized a robust pipeline for data pre-processing, model training, and evaluation, resulting in an impressive 93% detection accuracy on the test dataset.</li><li>• Optimized model performance by experimenting with various deep learning architectures, achieving a 90% improvement in detection speed.</li><li>• Technology: Python, OpenCV, TensorFlow.</li></ul>
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Experience	
RadicalX (Nov,23 – Present)	AI Intern <ul style="list-style-type: none"><li>• Collaborated on cross-functional teams to align AI solutions with mission objectives.</li><li>• Developed and optimized machine learning models using advanced frameworks.</li><li>• Meticulously documented models, code, and methodologies to support knowledge transfer within the team.</li><li>• Actively participated in team meetings, providing progress updates and contributing to discussions on challenges and solutions, fostering a collaborative work environment.</li></ul>
BharatIntern (Jul,23 – Aug,23)	Machine Learning Intern <ul style="list-style-type: none"><li>• Independently completed three machine learning tasks within specified timeframes at Bharat Intern, showcasing strong time management and task prioritization skills.</li><li>• Demonstrated self-reliance by working on assigned projects without collaboration, ensuring individual accountability and task ownership.</li><li>• Applied machine learning techniques to address diverse challenges, honing problem-solving abilities and technical expertise.</li></ul>

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

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