



Dasika Manidhara Adithya Avadhani

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B.Tech, Computer Science and Engineering
Address : Amrita Vishwa Vidyapeetham, Kasavanahalli ,
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Summary

As a fourth-year Computer Science and Engineering student at Amrita Vishwa Vidyapeetham, Bengaluru, I'm passionate about creating new things with technology. I'm strong in full-stack web development, machine learning, and solving tough problems. My goal is to build projects that make a real difference and get clear results.

Education

Amrita Vishwa Vidyapeetham B.Tech · Computer Science and Engineering · Bengaluru	2026 CGPA - 7.51
Vinjee Junior College Class XII · SSC · Kukatpally Hyderabad	2022 Percentage - 97%
Sri Chaitanya school Class X · SSC · Hyderabad	2020 Percentage - 100%

Experience

IIT Bombay Machine Learning Engineer · Internship Maharashtra Drone Mission Project	Jun 2024 - Jul 2024 Mumbai
<ul style="list-style-type: none">Developed a CNN model for detecting cracks on roads and structures, achieving 99% accuracy.Managed data preprocessing, model training, and evaluation for the project, enhancing infrastructure safety.Collaborated with a team under Prof. Ganesh Ramakrishnan at IIT Bombay as part of the Maharashtra Drone Mission.	

Projects

Voice-Vista: AI Assistant for Visually Impaired · ReactJS, JS, HTML, Bootstrap, Python	Feb 2025 - May 2025 Software Engineering
<ul style="list-style-type: none">Developed modular voice assistant combining vision, NLP, and UI layers.Employed component-based design for accessibility and maintainability.	
Impact of Climate Change On Crops · Python, Pandas, NumPy	Aug 2024 - Nov 2024 Machine Learning
<ul style="list-style-type: none">Developed a ML model to predict the impact of climate factors (rainfall, temperature, pesticides, etc.) on crop yield.Applied regression and clustering techniques to analyze agricultural data and identify key factors affecting crop productivity.	
Advanced Path-finding using A and D* lite algorithms · Python, Unity	Aug 2024 - Nov 2024 Data Structures & Algorithms
<ul style="list-style-type: none">Implemented advanced path-finding algorithms (A and D* Lite) to navigate both static and dynamic environments efficiently.Simulated real-time adaptive path planning using dynamic maps to handle changing obstacles and environments.	

Certifications

Internship Completion Letter IIT BOMBAY	Aug 2024
Programming with Python Infosys SpringBoard	Feb 2025

Publications

Real-Time Vehicle-to-Vehicle Communication for Traffic Alert Broadcasting Using GPCR IEEE 6th INCET 2025	Feb 2025
The Impact of Climate Change on Agricultural Productivity: A Regional Analysis IEEE 6th INCET	Mar 2025

Skills

Areas of Interest: Machine Learning, Deep Learning, AI, Web Development
Programming Languages: C, Java, Python, SQL
Tools and Technologies: HTML, CSS, Java Script, Git, MySQL, IntelliJ, Slack

Languages

English [Professional Working Proficiency], Hindi [Limited Working Proficiency], Telugu [Native Proficiency]