Harini Dhyapa

harinidhyapa@gmail.com | 8341682799| Hyderabad , India

About Me

A motivated and fast-learning individual with a passion for technology and problem-solving. Always eager to explore new ideas, adapt to challenges, and apply knowledge effectively in real-world scenarios.

Education and Training

Vasavi College of Engineering   **2022-2026**
- Bachelor of Engineering in Information Technology – CGPA: 9.47

Sri Chaitanya Junior College   **2020-2022**
- Intermediate – Percentage: 98.7%

Millennium High School   **2020**
- High School – CGPA: 10.0

Projects

Building Integrated Photovoltaic (BIPV) Potential Assessment | Python, JavaScript, GIS Tools
Application Development: Designed and implemented an application to assess and visualize BIPV potential using LOD-1 3D city models.
Simulation: Simulated building shadows and estimated solar energy on façades based on sun position and GHI inputs.
Visualization: Rendered 3D city models with color-coded BIPV potential for better analysis.
Outcome: Provided rooftop and façade energy metrics for policy-makers, architects, and energy providers.

Voice Assistant Using Python | Python, SpeechRecognition, pyttsx3
Application Development: Developed a Python-based voice assistant capable of recognizing and responding to voice commands using speech recognition and text-to-speech conversion.
Functionality: Enabled users to search Wikipedia, open websites, play music, tell jokes, announce time, and perform system operations like shutdown through voice commands.
Integration: Utilized speech_recognition for voice input processing, pyttsx3 for speech output, wikipedia for information retrieval, and webbrowser for web automation.

Technical Skills

Languages: Python, C, Java, HTML, CSS, JavaScript, SQL
Core Concepts: Data Structures and Algorithms ,Machine Learning and Object Oriented Programming, Operating Systems
Soft Skills: Problem Solving, Critical Thinking,Team Player

Accomplishments

- Received Certificate of Merit for excellent performance in B.E I year
- Elite Gold Medal in NPTEL course **Problem Solving Through Programming In C** in Top 5%
- Elite Gold Medal in NPTEL course **The Joy of Computing Using Python** in Top 5%
- 2nd Place - Tech Savishkaar Hackathon 2025

Certifications

- Simplilearn : Data Structures and Algorithms
- Certified in "Database for Developers."
- AWS Academy Machine Learning Foundations