HARA GOVIND PAVAN KUMAR **GOPAVARAPU**

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Location: Andhra Pradesh, India

**CAREER OBJECTIVE**

A motivated IT graduate with hands-on experience in web development, database management, and machine learning, seeking a junior software developer role to apply technical and problem-solving skills in a dynamic environment.

**EDUCATION**

**Bachelor of Technology in Information Technology**

Swarnandhra College of Engineering and Technology, 2021 - 2024

GPA: 8.1/10

**Diploma in Electronics and Communication Engineering**

Smt B.Seetha Polytechnic, 2018 - 2021

GPA: 8.4/10

**High School**  
A.S.R.Z.P. High School  
GPA: 9.2

**TECHNICAL SKILLS**

-Programming Languages : Python, Java, C

-Web Development : HTML5, CSS3, JavaScript, React.js

-Databases : MySQL, DBMS

-Tools & Frameworks : Git, GitHub, AWS

**SOFT SKILLS**  
Communication, Collaboration, Problem-solving, Adaptability  
Time Management, Critical Thinking, Leadership, Creativity  
Initiative, Conflict Resolution, Attention to Detail, Flexibility, Patience

**PROJECTS**

**Speech Unification from Visual Lip Movements using Deep Learning** | Python, Deep Learning, CNN, RNN, NLP  
Developed a model that interprets lip movements to produce both audio and text outputs aiding communication in environments with limited audio clarity

**Technologies Used**:  
-Development Environment: Google Colab  
-Front-End: Streamlit  
-Back-End: NLTK  
-Database: SQLite  
-Stream: Deep Learning

**Self-Driving Car Simulation** | Python, Machine Learning  
Developed a self-driving car simulation using Python and machine learning libraries (TensorFlow)  
Implemented algorithms to detect and avoid obstacles with 90% accuracy

**Technologies Used:**  
-Development Environment: Jupyter Notebook, Visual Studio Code  
-Framework: TensorFlow  
-Simulation Tool: OpenAI Gym  
-Algorithm: Computer Vision, Deep Q-Learning

**Wireless Sound Control** | Python, OpenCV, MediaPipe  
Developed a real-time sound control system that adjusts the computer's volume based on hand gestures utilizing hand landmarks to determine the distance between fingers

**Technologies Used**:  
-Development Environment: Jupyter Notebook, Visual Studio Code  
-Frameworks: OpenCV for image processing, MediaPipe for hand tracking  
-Audio Control: Pycaw for managing system audio  
-Operating System: Windows 10 or higher, macOS, or Linux

**Product Advertisement Website** | HTML, CSS, JavaScript  
Created a responsive product advertisement page for an online store using HTML, CSS, and JavaScript  
Integrated dynamic product information using APIs increasing user interaction by 30%

**CERTIFICATIONS**

- Cisco Certified - IT Essentials (2022)

- AWS Certified Solutions Architect - Associate (2023)

**ACHIEVEMENTS**

- National Merit Scholar (2018) for securing top ranks in NMMS exam.

**G.H.G.Pavan Kumar**