

## **DHILLIPRASATH R**

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### **SUMMARY :-**

An MCA graduate with strong skills in Python, AI/ML, and full-stack development, seeking an entry-level Software Engineer or Python Developer role. Hands-on experience in computer vision, conversational AI, and real-time systems, with a focus on building scalable, intelligent applications.

### **EDUCATION :-**

<b>Ganadipathy Thusi's Jain Engineering College, Vellore</b>	<b>2023-2025</b>
<i>Master Of Computer Application</i>	CGPA : 8.6
<b>Voorhees College , Vellore</b>	<b>2020-2023</b>
<i>Bachelor Of Computer Science</i>	CGPA : 7.6
<b>Don Bosco Boys Hr Sec School</b>	<b>2020-2023</b>
<i>HSS , Vellore ,</i>	Percentage : 71.5

### **EXPERIENCE :-**

<b>AJ WORKS Private Limited</b>	<b>APR 2025 – AUG 2025</b>
Odoo ERP and Python Intern	- Chennai
<ul style="list-style-type: none"><li>• Learning Python and other computer technologies for backend and business applications development.</li><li>• Exploring Odoo ERP framework including module customization ,workflows ,and integrations.</li><li>• Studying functional aspects of Odoo ERP such as sales , Inventory ,Accounting ,HR ,and CRM modules.</li></ul>	

### **TECHNICAL SKILLS :-**

**Languages:** PYTHON , SQL , JavaScript .

**Frontend :** HTML / CSS , React .

**Database :** MySQL .

**Operating System :** Windows , Linux.

**Libraries :** Numpy , Pandas , Matplotlib , Scikit-learn , PyTorch , OpenCv .

**Tools :** Git , GitHub ,Postman, , Excel , Power BI , AI Tools

**Languages known:** English, Tamil, (Telugu, Kannada - Speak Only ) .

### **PROJECT :-**

<b>REAL-TIME MULTI-OBJECT DETECTION AND TRACKING  </b>	<b>AUG -2025</b>
<b>TECHNOLOGIES :</b> Python ,OpenCV,PyTorch,YOLOv5,DeepSORT,MySQL	<a href="#">LINK</a>
<ul style="list-style-type: none"><li>• Developed a real-time multi-object detection and tracking system using Python, YOLOv5, and DeepSORT for accurate identification and tracking in video streams.</li><li>• Implemented continuous object tracking with unique ID assignment across frames, enabling reliable movement and behavior analysis for surveillance and traffic monitoring.</li><li>• Utilized OpenCV and PyTorch to achieve efficient real-time performance, with optional MySQL integration for logging and analysis of tracking data.</li></ul>	
<b>AI VOICE BOT – REAL-TIME VOICE-ACTIVATED CONVERSATIONAL AI SYSTEM  </b>	<b>JAN – 2026</b>
<b>TECHNOLOGIES:</b> Python 3.11, React 18, FastAPI, Ollama (Qwen 2.5:3B), OpenAI Whisper	
<ul style="list-style-type: none"><li>• Developed a full-stack, real-time AI voice chatbot using FastAPI and React, enabling voice-based conversational AI with sub-2-second end-to-end latency and local deployment for data privacy.</li><li>• Designed an end-to-end speech pipeline integrating Whisper for multilingual speech-to-text, Ollama (Qwen 2.5:3B) for local LLM inference, and pyttsx3 for natural text-to-speech responses.</li><li>• Optimized system performance through streaming inference, latency reduction techniques, and robust error handling, achieving 95%+ transcription accuracy and &lt;1.5s response time on mid-range hardware.</li></ul>	

### **CERTIFICATION :-**

- *PYTHON - Besant Technologies*
- *HTML, CSS, SQL , (BOOTCAMP )*

### **DECLARATION :-**

I hereby declare that the above mentioned information is correct to the best of my knowledge and I bear the responsibility for its accuracy.