

DHILLIPRASATH R

+91 8489860965 | dhilliprasath952003@gmail.com | [LinkedIn](#) | [GitHub](#)

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 :-

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

EXPERIENCE :-

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

TECHNICAL SKILLS :-

Languages: PYTHON , SQL , JavaScript .

Frontend : HTML / CSS , React .

Database : MySQL , PostgreSQL .

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

Tools: Git , GitHub , VS Code , Postman, Google Antigravity , Cursor .

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

PROJECT :-

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|---|----------------------|
| REAL-TIME MULTI-OBJECT DETECTION AND TRACKING | AUG -2025 |
| TECHNOLOGIES : Python ,OpenCV,PyTorch,YOLOv5,DeepSORT,MySQL | LINK |
| <ul style="list-style-type: none">• Developed a real-time multi-object detection and tracking system using Python, YOLOv5, and DeepSORT for accurate identification and tracking in video streams.• Implemented continuous object tracking with unique ID assignment across frames, enabling reliable movement and behavior analysis for surveillance and traffic monitoring.• Utilized OpenCV and PyTorch to achieve efficient real-time performance, with optional MySQL integration for logging and analysis of tracking data. | |
| AI VOICE BOT – REAL-TIME VOICE-ACTIVATED CONVERSATIONAL AI SYSTEM | JAN – 2026 |
| TECHNOLOGIES: Python 3.11, React 18, FastAPI, Ollama (Qwen 2.5:3B), OpenAI Whisper | LINK |
| <ul style="list-style-type: none">• 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.• 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.• Optimized system performance through streaming inference, latency reduction techniques, and robust error handling, achieving 95%+ transcription accuracy and <1.5s response time on mid-range hardware. | |

CERTIFICATION :-

- **PYTHON - Besant Technologies** - [LINK](#)
- **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.