Parva Sheta

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SUMMARY

M.S Computer Science (May 2027) building scalable AI solutions. Proficient in Python, data analysis, OOP, computer vision, and microservices; experienced shipping conversational AI and Multi-agent systems, seeking summer 2026 internship.

EDUCATION

Master of Science in Computer Science| GPA: 3.78   August 2025 – May 2027
Arizona State University, Tempe, AZ

Bachelor of Technology in Computer Science | GPA: 3.08   April 2021 – May 2025
Vellore Institute of Technology, Vellore, TN, India

SKILLS

Programming Languages: Python, SQL, Git, R, C, C++, Java

Frameworks/Libraries: LangChain, LangGraph, Pandas, NumPy, LiveKit, RAG, OCR, FastAPI, Scikit-Learn, OpenCV, CrewAI, FAISS, PostgreSQL, Streamlit, AWS, PyTorch, TensorFlow, Pinecone, PyTesseract, Seaborn.

PROFESSIONAL EXPERIENCE

AI/ML Engineer, Softqube Technologies Pvt. Ltd., Ahmedabad, GJ, India: Dec 2024 – Jul 2025
- Developed core logic for **MIA** platform; supporting 50+ concurrent, isolated conversations using **LiveKit** and **LangGraph**; integrated multi-LLM function calling (**OpenAI, Anthropic Claude, Google Gemini, Meta Llama**)
- Presented project capabilities to senior leadership and customers, enhancing stakeholder understanding and expanding support to international markets like USA, Canada, UAE, Australia, Namibia
- Designed persistent agent memory: Engineered a **RAG ingestion service** that processes PDFs, DOCX, TXTs and CSVs, stores embeddings in a vector database, and improved retrieval latency to be around ~150ms.
- Integrated **Twilio SIP** and **Zoom APIs** to enable real-time **inbound/outbound calling** and 1-click meeting joins for voice agents, outbound call campaigns and speeding agent handoffs for sales and support.
- Added safety and governance foundations: call transcripts, audit logs, and PII redaction
- Also developed a **supervised ML model** that predicts occupancy rate with **~88% accuracy** in real world implementation to help hotel revenue managers decide on the room rates for that date.
- Delivered an **AI automation funnel** for a CRM company**: automated email conversations**, **call/chat summaries**, and a **data aware chatbot** that answers using real CRM records (LLM + SQL).
- Architected retrieval from structured sources by translating **user intent → SQL queries → validated results → natural-language responses**. Helped reducing data hallucinations for bot.

Advanced Analytics Intern, Optimal Strategix Group Inc., Bangalore, KN, India   Sep 2023 – Dec 2023
- Contributed to creating a structured dataset from e-commerce purchase journeys using **video OCR** and **computer vision**, optimizing customer behavior analysis from screen recordings.
- Designed an **image-processing pipeline** with **OpenCV** and **Pillow** to preprocess images for an optimized Tesseract OCR model, extracting and normalizing key entities like product names, review, price etc. for downstream analytics.

PROJECTS

Realtime VoiceAI Image Editor   https://github.com/Parva101/realtime-voiceAI-image-editor
- Built a real-time, voice-controlled image editor to edit by translating speech into **LLM-driven tool calls for image operations.**
- Designed a modular pipeline—Gradio + FastRTC UI streams mic input and image, STT → LangGraph ReAct agent → tool-based image edit → TTS reply; FileManager saves/versions outputs.
- **Tools/Languages:** Python, LangGraph, Gradio, FastRTC, NumPy, PIL, Loguru

Donna AI   https://github.com/Parva101/donna.ai
- Built **Donna**, a proactive **AI personal assistant** to help users stay on track by **managing meetings, planning schedules, and handling real-world tasks**. It sends reminders and helps users stay on top of commitments.
- Integrated core productivity channels (**Gmail, Calendar, Slack, Zoom**) and built an MVP focused on **urgency scoring + proactive alerts.**
- Shipped a **voice-driven appointment booking** and call workflows.
- **Tools/Languages**: Python, LangGraph, Twilio, Zoom APIs, Slack APIs, Livekit, Google APIs