

Elamparithi Elango

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EDUCATION

MS in Management & Systems | New York University, New York | GPA: 4/4 **09/2023-05/2025**
| Convocation Award for Academic Excellence | Capstone Finals Winner

Bachelor of Medicine, Bachelor of Surgery | TN Dr.MGR Medical University, India **09/2015-05/2022**

TECHNICAL SKILLS

Programming: Python, JavaScript, TypeScript, HTML, CSS, SQL

AI/ML: TensorFlow, PyTorch, Keras, Matplotlib, NumPy, Scikit-learn, Pandas, Whisper, Hugging Face, spaCy, LangChain, LoRA, Fine-tuning, RAG, BERT, T5, XGBoost, LightGBM, OpenCV, Prompt Engineering, OpenAI/Claude/Elevenlabs API, PEFT, RLHF, Ollama | **Databases & Cloud:** Oracle, PostgreSQL, MongoDB, SQLite, ChromaDB, AWS, Azure, GCP

Software Development: Flask, Django, React, Next.js, Node.js (Express), Angular, REST APIs, Streamlit, FastAPI, Pydantic, Tailwind CSS | **Tools:** Git, GitHub, GitHub Actions, Docker, Kubernetes, Render, Vercel, [Fly.io](https://fly.io)

Other tools: Figma, Adobe CC, Jira, Notion, Miro, Tableau, Power BI, Salesforce, HubSpot, Google Analytics, Wix, Unity, Flutterflow, Balsamiq, Looker, MS Office, Canva, Google Workspace

EXPERIENCE

Co-Founder & Product Designer, Amille LLC | New York, NY **05/2024-02/2025**

- Pioneered an AI-powered dating app from scratch, conducting 200+ surveys and 30 interviews to inform design.
- Reduced user drop-off by 30% through usability testing, wireframes, and iterative prototyping.

Creative Designer & Marketing Manager, Torque Energy | Dharmapuri, India **01/2023-08/2023**

- Improved brand reach by 30% through targeted campaigns, events, and design optimization.
- Boosted ad engagement by 25% through performance-optimized design and cross-channel content strategy.

Product & Graphic Designer, Freelance | Chennai, India **03/2020-08/2023**

- Delivered UX-optimized websites and design systems for 10+ clients, improving engagement by 25%.
- Built scalable brand assets and marketing content, raising conversion rates by 30%.

Medical Administrator, GK Child Care Hospital | Tirupathur, India **06/2022-12/2022**

Medical Intern, Government Stanley Hospital | Chennai, India **03/2020-05/2022**

Community Health Administrative Intern, Stanley Medical College | Chennai, India **08/2017-02/2019**

PROJECTS

Ulva | Healthcare QA Mini-LLM | New York, NY **06/2025**

- Fine-tuned t5-small using LoRA & PEFT on MedQuAD to enable domain-specific medical QA.
- Achieved ~85% QA accuracy vs. GPT-3.5 with 75% fewer parameters; built Streamlit inference UI.
- Tech: Python, Hugging Face Transformers, PyTorch, PEFT, LoRA, Streamlit

Dulse | AI-Powered Outreach Assistant | New York, NY **06/2025**

- Built a full-stack app to generate 100+ cold emails/LinkedIn messages from resumes using local Phi-3 via Ollama.
- Achieved <2s local response latency with offline LLM generation.
- Tech: React, TypeScript, Node.js (Express), Ollama, Phi-3

Nori | Voice-Based AI Companion | New York, NY **05/2025**

- Created a real-time voice AI interface using Whisper and ElevenLabs voice cloning.
- Deployed natural speech interaction with cloned voice and <1s response latency.
- Tech: Python, Flask, Whisper, GPT-3.5, ElevenLabs

Kelp | Private AI System | New York, NY **04/2025**

- Engineered hybrid semantic memory retrieval using dense, sparse, and reranked chunking.
- Enabled privacy-preserving QA across 1K+ documents with 90 %+ retrieval accuracy.
- Tech: Python, FastAPI, LangChain, Streamlit, ChromaDB, TF-IDF, OpenAI API, Claude API

Lost in Samsung | Samsung Home Entertainment | New York, NY **09/2024-12/2024**

- Won 1st place for a viral marketing campaign to boost product awareness for Samsung TV & Audio products.

LinkedIn Edge | Microsoft AI Accelerator | New York, NY **04/2024**

- Won 'Best Viable & Scalable Product' for a multifaceted GenAI solution for LinkedIn personalization.