Soumya Maheshwari

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EXPERIENCE

Founder's Office *Nov 2022 – Jan 2024, Gurugram*
Komma Financial Technologies (Hybrid)

- Worked directly with **early-stage start-up founders** and worked on **operations**, ensuring smooth business functioning.
- Designed **Figma wireframes and prototypes** (UI/UX) for web/mobile applications.
- Developed **responsive web pages** using **Webflow**, improving cross-device performance.
- Led **hiring processes**: Created **psychometric evaluations**, job descriptions, and screened candidates.

Founderś Office *Jan 2024 – Jan 2025, Gurugram*
BabyKavach (Hybrid)

- Developed **custom algorithm** and **React components** for the **Growth Chart visualization** feature.
- Launched and managed the official **Instagram page**; handled **content strategy**, **hiring**, and **ad campaigns**.
- Designed and developed the official **company website and blog section** using **Webflow**.

PROJECTS

PhotoCortex: AI-Powered Image Intelligence *April 2025*

- Designed, trained, and optimized **deep learning models** for **object detection and segmentation**.
- Built backend using **FastAPI** and **Python microservices** for **scalable orchestration**.
- Developed **full-stack web app** with **Next.js frontend** and **FastAPI backend** (with **CORS middleware**).

ECLIPSE: Enhanced Cognitive Linguistic Interactive Personal Support Engine *Sep 2024*

- Developed **personalized speech-to-speech chatbot** fine-tuned using **LLaMA 3.2-8B** and **BERT**.
- Built **memory system** for **user preference tracking** and **adaptive response generation**.
- Integrated external **agentic tools** for **calendar, weather, music, alarms, and news updates**.

Hexalith: Conversational Image Recognition Chatbot *Oct 2024*

- Used **YOLOv8** for **object detection** and **LLaMA 3.1-Instruct** for **conversational capabilities**.
- Engineered a **product-aware memory system** using **BELś directory** for **context-aware Q&A**.
- Designed a **real-time interface** combining **object detection** with a **dynamic dialogue system**.

EDUCATION

B.Tech + MBA in Artificial Intelligence, NMIMS MPSTME, Mumbai	2027 (Expected)
Higher Secondary, Puna Int. School, Ahmedabad	2022
Secondary, Delhi Public School, Gandhidham	2020

SKILLS

Programming Languages: Python   TypeScript   Rust   C++ SQL   HTML/CSS   TailwindCSS
AI/ML: Large Language Models (GPT-2, OSS LLMs, BERT)   Deep Learning (RNN, LSTM, PyTorch, TensorFlow)
Computer Vision (**YOLO**, **OpenCV**)   **NLP**, Model Fine-tuning, Hugging Face Ecosystem
Frameworks & Tools: FastAPI   Flask   React   Next.js   Docker GitHub Actions   CI/CD Pipelines
Cloud & DevOps: AWS Azure   Supabase   GCP   Containerization & Deployment
Databases: PostgreSQL   MySQL   VectorDB PostGIS   Redis   MongoDB
Design & UX: Figma   Webflow UI/UX Workflows & Prototyping
Other: Startup Operations   Fundraising Support   **SEO** Recruitment & Hiring   Technical Due Diligence