# Timoth Dev

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**Lead Data Scientist | GenAI & AI Solutions Architect**

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Lead Data Scientist with **6 years in machine learning**, including **3 years building GenAI products** (RAG, multi-step LLM pipelines). Led DS teams at Accenture (SAP.com) and Credo Health, owning architecture from model to production.
Built and deployed two AI SaaS products as a freelance CTO. Immediate joiner; open to Bengaluru, Chennai or remote.

## EXPERIENCE

**Mirano.app & MaptoClips.com** **Apr 2025 – Sep 2026**
*CTO (Freelancer)* *Puducherry, India*

- Built and deployed two AI SaaS products as a freelancer: architecture, backend, frontend and DevOps. **Stack:** Python, FastAPI, React, Gemini, Qdrant, Docker, Hetzner + Coolify.
- **MaptoClips.com:** AI video generator for real estate agents; live with first paying customers.
- **Mirano.app:** AI infographic engine; 200 sign-ups, ~1,000 generations; sunset once native image models (Gemini) made it redundant.

**Accenture Baltics (client: SAP.com)** **Feb 2023 – Feb 2025**
*Team Lead – Data Scientist* *Riga, Latvia*

- Hands-on team lead for SAP.com Sales & Marketing, reporting to its Sales and Technology directors; led data engineers, data scientists and frontend developers.
- **GenAI sales assistant:** built a multi-step RAG pipeline where an LLM decomposes each question into sub-queries, runs vector search per sub-query, and an aggregator LLM composes the final answer (early agentic-RAG pattern via LangChain prompt chaining, OpenAI, PostgreSQL vector store).
- Unified Azure Databricks data, Outreach conversation history and live web data (Playwright) in one chatbot; a Databricks job kept the vector store current.
- **Impact:** started as a 1-month hackathon email-drafting tool; beta-tested with **200 sales users**, won further funding and was approved for rollout to **5,000 users** after sales teams adopted it as their primary client-research tool.
- Chose the stack: Python, LangChain, FastAPI and Docker on internal SAP servers with GitHub Actions CI/CD. Also delivered GenAI lead-routing and customer-review analytics, and a medallion-architecture ETL pipeline in Azure Databricks for sap.com KPI dashboards.

**Credo Health** **May 2022 – Jan 2023**
*Lead Data Scientist* *Chennai, India*

- Led a 3-member data science team (hired a junior data scientist) and owned all architecture decisions; worked directly with the CEO, CTO, product and clinical domain experts.
- Shipped **4 AI products**: LabOCR, vital-sign measurement from mobile video, constraint-based AI meal planning, and calorie prediction from food images.
- **LabOCR:** automated prescription digitisation (medicine, dose, form: tablet / syrup / injection), removing **~2 hours/day of manual pharmacist data entry**. All services self-hosted with FastAPI + Docker on a VPS, Jenkins CI/CD.

**Blackstraw.ai** **Mar 2021 – Apr 2022**
*Associate Data Scientist* *Chennai, India*

- **Order-scoring model stack** that routed high-value orders to the best-fit candidates, raising **customer lifetime value by 5% within 3 months**.
- Built order classification (Random Forest), time-to-fill regression (XGBoost) and a candidate–order recommender (Surprise), with pipelines on Azure ML and Azure Databricks; hired a junior data scientist.

**CMC Vellore** **Aug 2018 – Feb 2021**
*Research Fellow (2020–21); Graduate Researcher & Teaching Assistant (2018–20)* *Vellore, India*

- Won a **₹30L DST-NHHID grant** for a vision-based stroke-rehabilitation assessment system (publication); built reinforcement-learning agents to assist stroke patients (AgentAssistance-RL, Gym-control).
- Designed medical devices and signal-processing algorithms (CMC-Spiro, NIBP); TA for IIT Madras M.Tech Clinical Engineering.

**Sankalp Semiconductors** Design Engineer II, onsite at Qualcomm, Bengaluru | Developed 5G RFIC layouts **Feb 2017 – Jul 2018**
**Internships** HTIC (IIT Madras Research Park), VDesign Technologies, Phocos India Solar **6 months**

## EDUCATION

**M.S. Bioengineering**, CMC Vellore & SCTIMST (joint program) | CGPA 8.1/10 **2018 – 2020**
**B.Tech Electronics & Instrumentation**, Pondicherry Engineering College | CGPA 8.1/10 **2016**

## SKILLS & CERTIFICATIONS

- **GenAI:** LLMs (OpenAI, Gemini), RAG, query decomposition, prompt chaining, LangChain, vector DBs (PostgreSQL, Qdrant)
- **Machine Learning:** XGBoost, Random Forest, recommender systems, computer vision & OCR, reinforcement learning
- **Data Engineering:** Azure Databricks, PySpark, SQL, ETL (medallion architecture), Playwright web data collection
- **Deployment & Cloud:** FastAPI, Docker, GitHub Actions, Jenkins, Azure ML, AWS Lambda & S3, Hetzner + Coolify
- **Leadership & Certifications:** team lead, hiring, architecture ownership, director-level stakeholders; SAFe® 6 Agilist