

SAHIL CHANNA

sahilchanna14@gmail.com ◊ Bengaluru, India

[linkedin.com/in/saxill](https://www.linkedin.com/in/saxill) ◊ github.com/saxill

EDUCATION

B.Tech — Computer Science & Engineering (AI/ML), Jain (Deemed-to-be University), Bengaluru 2022 – 2026

Relevant Coursework: Deep Learning, NLP, Computer Vision, MLOps, Data Structures & Algorithms

SKILLS

Languages	Python, JavaScript, SQL, Bash
ML / AI	PyTorch, TensorFlow, LangChain, Hugging Face, Ollama, FAISS, ChromaDB, scikit-learn, LSTM, RAG, NLP, Transformers, Reinforcement Learning
Frameworks & Tools	FastAPI, Streamlit, React, Playwright, Docker, Git, MLflow, n8n
Cloud & Platforms	AWS (S3, EC2, Lambda, SageMaker), OpenRouter, Anthropic API, Linux (Ubuntu)

INTERNSHIP EXPERIENCE

AI Engineering Intern 2025 – Present
Siddharth Grease & Lubes

- Building a scalable **AI-powered product recommendation system** using Python and LangChain; handles feature engineering and real-time inference for B2B catalogue discovery
- Fine-tuning and deploying custom **domain-adapted LLM models** on company-specific grease and lubricants data for internal and customer-facing workflows
- Integrating **AI features into the company website** to automate product matching, improve searchability, and enhance user engagement

AI/ML Engineering Intern Feb 2025 – May 2025
Six Phrase / Veranda

- Built **NLP pipelines** for EdTech content processing; integrated **LLM-based summarisation and Q&A modules**
- Reduced model inference latency ~30% through batching, caching, and request optimisation strategies
- Contributed to A/B testing frameworks and delivered stakeholder demos across agile sprint cycles

Data Analytics / ETL Intern Apr 2024 – Jun 2024
Futureense Technologies

- Designed and maintained **ETL pipelines** to ingest, clean, transform, and feature-engineer large-scale datasets for downstream ML analytics
- Built **SQL data models** and automated Python reporting workflows, cutting manual reporting effort ~40%

Intern Nov 2023 – Dec 2023
Rinex.ai

- Built real-time object detection pipelines with **YOLOv5 / YOLOv8**; achieved ~92% mAP on custom datasets
- Developed a **green-ball tracking system for robotics** using OpenCV deployed on live camera feed
- Trained image classification CNN on CIFAR-10 reaching ~88% accuracy with **PyTorch** and data augmentation

PROJECTS

Sovereign Agent — *Python · Telegram API · SQLite · Ollama*. Self-modifying autonomous agent with **3 concurrent loops**: task execution, evolution engine, and self-reflection. SQLite-backed memory with owner-approval gate for risky actions; deployed on Android via Termux.

XAUUSD Trading Bot — *Python · MetaTrader5 · Telegram API*. Production copy-trading bot for gold (XAUUSD) with spike detection, position scaling, and **SL/TP automation**. Live Telegram alerts; consistently running in production on Exness since deployment.

StockTracker — *PyTorch · LSTM/GRU · Streamlit · Yahoo Finance API*. Stacked **LSTM + GRU** model for multi-step equity price forecasting with sliding-window preprocessing and distributed-ready training pipeline. Streamlit dashboard with live ticker input, forecast visualisation, and backtesting metrics.

PaperPal — *LangChain · FAISS · RAG · Streamlit*. **RAG pipeline** for semantic Q&A over research PDFs using FAISS vector search + sentence-transformer embeddings. Multi-turn conversational UI with inline source citations across large multi-document corpora.

ARCL-CLI — *Python · Click · ChromaDB · OpenAI API*. Terminal-native AI assistant for document querying, summarisation, and annotation workflows. **ChromaDB**-backed vector storage with support for offline-first local embedding models.

Mareen — *Python · FastAPI · React · SQLite*. Full-stack AI web app with **FastAPI REST backend**, React frontend, and LLM-integrated responses. User session management, authentication, and persistent conversation history via SQLite.

Open Source — **LangChain** — github.com/saxill · PR #48 merged. Contributed a **merged pull request** to langchain-ai/openwork (bug fix + documentation improvement).