

CHINTAN TAJANE

AI ENGINEER

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Summary

AI Engineer with hands-on experience building scalable LLM-powered systems at RIB Software and Winjit Technologies. Core expertise in RAG architectures, Agentic AI, Multi-Agent Systems, and LLMOps. Delivering context-aware, production-ready AI that turns complex retrieval and reasoning into measurable business value.

Skills

Languages & Frameworks: Python, C, C++, JavaScript (Node.js), FastAPI, Flask

AI & ML: NLP, LLMs, RAG, Agentic AI, MCP, PyTorch, Hugging Face, LangChain, LangGraph

Cloud & DevOps: Microsoft Azure, Docker, Git, Redis, SQL, Vector Databases

Experience

Software Developer

July 2025 – Present

RIB Software

Nashik, Maharashtra

- Designed and deployed **conversational AI and RAG solutions** using **MCP-based orchestration** across multi-source knowledge bases, improving contextual retrieval accuracy by **30%**.
- Built **advanced RAG pipelines** incorporating HyDE, RAG Fusion, and re-ranking strategies in **Python and LangChain**, increasing retrieval precision by **25%**.
- Unified **Azure AI Search, vector databases, and Redis** into a consolidated retrieval layer via **REST APIs**, reducing average query latency by **40%**.
- Led a **Semantic AI Search proof-of-concept** integrating **Azure AI Search, Redis, and SQL Server** with custom authentication and task queues – validated at **RIB UNITE** and promoted to **production**.

Software Developer

June 2024 – July 2025

Winjit Technologies Pvt. Ltd.

Nashik, Maharashtra

- Developed **OCR and NLP ingestion pipelines** in **Python** using **Google Vision API**, automating processing of **7M+** financial documents at **90% accuracy**.
- Trained and evaluated **ML models** for document classification, intent detection, and fraud analysis through **feature engineering and EDA**, achieving **97% fraud detection accuracy**.
- Deployed **RESTful ML services** across UAT, test, and production environments with **structured logging and end-to-end traceability**, sustaining **95% detection accuracy** across all stages.
- Streamlined document processing workflows via a **performance tuning module**, reducing per-transaction turnaround time by **5 seconds** and increasing overall operational throughput.

Projects

Deep Learning with PyTorch | *Python, PyTorch, Optuna*

[View Project](#)

- Implemented **ANN, CNN, and RNN** architectures from scratch in **PyTorch** across **5+ experiments** on diverse datasets.
- Automated hyperparameter search via **Optuna** over **3+ parameters** (learning rate, batch size, network depth) to identify optimal configurations.
- Achieved **15–25% accuracy gains** over baseline models while reducing inference latency across all experiments.

SpaceX Falcon-9 Landing Prediction | *Python, scikit-learn, REST API*

[View Project](#)

- Collected telemetry for **5+ launches** via **REST APIs** and engineered **10+ features** to isolate key predictors of booster landing success.
- Trained and cross-validated **3+ classifiers** – Logistic Regression, SVM, and Random Forest – using **scikit-learn**.
- Reached **85%+ precision** on the top-performing model, identifying launch parameters most crucial to booster re-usability.

Certifications

IBM Data Science Specialization

[View Certificate](#)

Education

Bachelor of Engineering (B.E.) in Computer Engineering

Graduated: 2024

Amrutvahini College of Engineering, Sangamner

CGPA: 9.18 / 10