Aryan Kamble

Belgaum, Karnataka, India | aryan.carrer@gmail.com | +91 9611949816

LinkedIn | GitHub | Portfolio | Credly

Professional Summary

AI/ML Engineering graduate with hands-on experience building Machine Learning, Deep Learning, and Generative AI applications. Skilled in Python, TensorFlow, Scikit-learn, LangChain, and LLM-based development. Interested in RAG systems, Agentic AI, and building practical, reliable AI solutions.

Technical Skills

Programming: Python, C

AI/ML Frameworks: TensorFlow, Keras, Scikit-learn, PyTorch (Basic), Hugging Face Transformers, LangChain, CrewAI, Ollama

Generative AI & LLMs: Large Language Models (LLMs), Foundation Models, Prompt Engineering, RAG, Agentic AI, Multi-Agent Systems, Semantic Caching

Deep Learning: CNNs, RNNs, Transformers, Autoencoders

Data Science: NumPy, Pandas, Matplotlib, Seaborn, Data Preprocessing, Feature Engineering

Deployment & Developer Tools: FastAPI, Streamlit, Gradio, REST APIs, Jupyter Notebook, Google Colab, VS Code, Git, GitHub

Concepts: NLP, API Integration, Model Evaluation, AI Governance, Responsible AI, AI Ethics, Fairness and Bias Mitigation

Education

B.E. – Artificial Intelligence & Data Science | KLE College of Engineering & Technology, Chikodi CGPA: **8.76/10** *2022 – 2026*

PUC (Class XII) | JA Pre-University College, Athani **78.50%** *2020 – 2022*

SSLC (Class X) | Govt. High School, Ugar Khurd **79.36%** *2019 – 2020*

Internship Experience

Artificial Intelligence Intern | *Rajaj.Tech (Remote)* *Aug 2025 – Sep 2025*

- Developed an NLP-powered student support chatbot using Sentence-BERT embeddings and Telegram API integration; implemented dataset curation, intent classification, fallback handling, and feedback-based improvement workflows.
- Implemented conversational analytics to monitor query patterns and improve chatbot responses, gaining practical experience in NLP application development and API integration.

Data Science Intern | *Besant Technologies (Industry-Oriented Training Program)* *Feb 2026 – Jul 2026*

- Completed project-based training in Python, Machine Learning, Deep Learning, and Data Analysis; developed and evaluated supervised and unsupervised ML models, including regression, classification, and clustering, using Scikit-learn.
- Implemented CNN and RNN architectures for image and sequence-based tasks; practiced data preprocessing, model evaluation, and fundamental machine learning workflows.

Projects

Multi-Agent AI Project Manager `[GitHub]`

- Architected a multi-agent AI software development workflow using CrewAI, FastAPI, and Ollama, defining specialized agent roles for project planning, code generation, and software testing. Explored local LLM orchestration and agent collaboration while investigating hardware resource constraints, runtime limitations, and timeout-related failures during concurrent execution.

RouteIQ – Cost-Aware LLM Gateway `[GitHub]`

- Built an intelligent LLM gateway with heuristic-based model routing, semantic caching, prompt compression, budget controls, and automatic fallback to reduce unnecessary API usage and inference costs.

Recall – Semantic Cache & RAG System `[GitHub]`

- Developed a Retrieval-Augmented Generation (RAG) gateway with semantic caching, entity-aware matching, retrieval-consistency checks, document management, and grounded-answer validation.

MistralGuard — LLM-Based Anomaly Analysis `[GitHub]`

- Built an anomaly analysis application using Mistral-7B, Ollama, and Gradio to detect suspicious patterns in CSV data. Implemented Red, Yellow, and Green severity classification with AI-generated explanations, without additional model training.

Certifications

- **IBM AI Engineering Professional Certificate** – Machine Learning, Deep Learning, TensorFlow, Keras, PyTorch, Model Deployment *(Coursera / IBM)*
- **IBM Generative AI Engineering Professional Certificate** – LLMs, Prompt Engineering, RAG, LangChain, Hugging Face, Generative AI Applications *(Coursera / IBM)*
- **Securiti AI Governance Certification** – AI Governance, Responsible AI, Data Privacy, Regulatory Compliance *(Securiti.ai)*
- **IBM Generative AI Engineering with LLMs Specialization** – Large Language Models, Prompt Engineering, Transformers, RAG, Fine-Tuning *(IBM / Coursera)*

Languages

English (Professional) Hindi (Fluent) Marathi (Native) Kannada (Fluent)