Shashank Vaidya
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Work Experience

Data Scientist LLM - Intern (SNCF Réseau)   *Paris, France*
Mar 2025 – Present
Tech: PyTorch, LangGraph, AWS (S3, Lambda, SageMaker, Textract), Chainlit, Hugging Face

- Built an agentic AI assistant for an internal client to auto-fill complex forms across multiple formats, using a question-driven workflow with persistent progress-saving.

- Implemented a modular multi-agent architecture (Planner, QA, Retriever, Formatter, State Manager) in LangGraph.

- Automated parsing and formatting of user inputs to meet domain-specific requirements, substantially reducing manual data-entry effort.

- Integrated a reflection/validation agent that enforces schema compliance.

AI Engineer - Intern (MV Group)   *Rennes, France*
Sept 2024 – Feb 2025
Tech: PyTorch, LangGraph, Hugging Face, Chroma DB, Streamlit, GCP, Stable Diffusion, Claid API, FLUX

- Automated generation of realistic product image backgrounds with inpainted people.
- Built an image processing pipeline for real-time metadata updates using GCP for scalable storage.
- Used LangGraph, GPT-4o, and Chroma DB to generate personalized marketing text, mimicking handwritten marketing emails.
- Deployed a Streamlit app to automate image and newsletter generation, reducing content creation time by 80%.

Customer Churn Prediction (Final year project)
Tech: Airflow, Streamlit, FastAPI, PostgreSQL, Tensorflow, scikit-learn, Grafana

- Built a predictive model for telecom company to identify churn factors and take decisive actions.
- Designed real-time dashboards for monitoring performance metrics and customer segmentation.

Education

EPITA - Master's in data science and analytics   *Paris, France*
March 2023 – March 2025

RGPV Tech University - Master's in computer applications   *Indore, India*
August 2020 - May 2022

Medicaps University - Bachelor's in computer applications   *Indore, India*
August 2017 - May 2020

Hard Skills

Python (NumPy, Pandas, Scikit-Learn, Matplotlib, Seaborn, TensorFlow, PyTorch) - Machine Learning - Deep Learning - Transfer Learning - GANs - GNNs - Computer Vision - NLP - LLMs - Prompt Engineering - PEFT - LoRA - Adapters - Streamlit - Docker - FastAPI – AWS

Languages: English (Bilingual)   French (Intermediate)   Hindi (Native)