

Yashi Tiwari

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Objective

AI/ML undergraduate with hands-on experience in LLMs, GenAI, and production-grade pipelines. Currently interning at the University of Sevilla. Skilled in training and deploying deep learning models with strong foundations in NLP, transformer architectures, and applied machine learning.

Education

Bennett University

B.Tech in Computer Science (AI & ML), CGPA: 8.39

June 2026 (Expected)

GMSSS-37B (CBSE)

May 2022 – Class XII: 70%

St. Joseph's School

March 2020 – Class X: 88%

Skills

Languages: Python, SQL

Back-End: Flask, FastAPI, Django (basic), REST APIs

Libraries: PyTorch, TensorFlow, Keras, Scikit-learn, Pandas, NumPy

Tools: Git, Jupyter, Streamlit

Concepts: Model Deployment, LLMs, NLP, API Integration

Experience

University of Sevilla (Remote — Spain)

Jun 2025 – Present

Research Intern

- Built multilingual backend pipelines for LLM-based generative and retrieval systems using Python.
- Trained and deployed transformer models (few-shot, cross-lingual) as scalable REST APIs.
- Optimized pipelines for preprocessing, augmentation, and evaluation.
- Integrated cloud-based model endpoints with lightweight Flask/FastAPI microservices for production use.

Projects

Content Retrieval using GenAI: [GitHub] (*Python, SBERT, Milvus, Flask*)

- Built a Flask-based QA retrieval system over 900+ textbook pages using SBERT embeddings and BM25 reranking.
- Integrated Milvus vector DB to efficiently store and retrieve high-dimensional embeddings.
- Achieved 92% retrieval precision via clustering and BM25.

AI-Powered Financial Copilot: [GitHub] (*Python, Streamlit, SQLite, LangChain, Together AI, Hugging face, FastAPI-ready*)

- Developed modular backend pipelines for portfolio analysis, transaction classification, and risk profiling.
- Engineered RESTful API-ready architecture for LLM-powered financial chatbot (Hugging Face + Together AI).
- Integrating local SQLite DB for state persistence and prompt history tracking.

Leadership & Recognition

Head of PR & Outreach – Student Cabinet (2023–24): Led onboarding & PR for 8000+ students.

Head – Technical Team, Research Society (2022–23): Mentored ML research projects.

Certifications & Awards

- IBM – Supervised & Unsupervised ML
- UCSD – Data Structures, Algorithms
- Winner – Healthcare Hackathon 2024 (Bennett University)
- Best Performer – School of CS, 2024