

Riya Gupta

Artificial Intelligent and Machine Learning Student

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EDUCATION

Symbiosis Institute of Technology

B.Tech in Artificial Intelligent And Machine Learning

Pune

2022 - 2026

PROJECTS

AI-Powered College Query Chatbot (RAG-based) | Python, LangChain, OpenAI, Streamlit | June 2025 – Aug 2025

- Built an LLM-driven chatbot using LangChain and RAG pipelines to answer 500+ academic and administrative queries with 95% accuracy.
- Integrated OpenAI embeddings for semantic search, improving response relevance by 40% across 10+ data sources.
- Deployed via Streamlit with an interactive UI, enabling real-time, context-aware query handling and reducing manual query workload by 60%

Railway Reservation System | Java, JDBC, SQL

Feb 2024 – Apr 2024

- Engineered a robust backend reservation system using Java and JDBC, enabling efficient CRUD operations on 500+ daily transactions with 99.99% uptime; system now supports 100+ concurrent users.
- Built and optimized SQL database schemas for booking and management with secure data handling.
- Applied Object oriented Programming principles to develop modular and scalable architecture.
- Integrated API like workflow enabling interaction between user interface and database seamlessly.

Anti-Face Spoofing Detection | TensorFlow, DCGANs, EfficientNet |

Feb 2025 – Apr 2025

- Created an adversarial face-spoof detection system leveraging DCGANs for representation learning on 10K+ image samples.
- Fine-tuned EfficientNet-B0, achieving 94% spoof detection accuracy and improving robustness against presentation attacks by 25%.
- Demonstrated complete ML pipeline development including training, testing, and model validation.

Resume Compatibility Analysis | Python, NLP, Streamlit

Aug 2024 – Nov 2024

- Processed and validated 1,000+ resumes and job descriptions using NLP pipelines (TF-IDF, Cosine Similarity) for automated matching.
- Developed a Streamlit dashboard to visualize compatibility scores and keyword coverage with 92% accuracy.
- Reduced manual screening time by 60% and improved recruiter efficiency through automated text analysis and reporting.

SKILLS

Programming: Python, Java

GenAI & LLMs: LangChain, RAG, Prompt Engineering, LLM Integration, Fine-tuning, OpenAI API, Hugging Face

Frameworks: FastAPI, Flask, ReactJS

Machine Learning & NLP: Scikit-learn, TensorFlow, PyTorch, NLP , Model Evaluation

Databases & Data Handling: SQL, MongoDB, Pandas, NumPy

Visualization & Tools: Power BI, Excel

Version Control: Git, GitHub

Languages: English, Hindi, German (basic)

CERTIFICATION

Udemy - LLM Engineering: Master AI, Large Language Models & Agents

Udemy - Complete Web & Mobile Designer: UI/UX, Figma, +more