

Shashwat Jaipuria

✉ shashwatjaipuria3@gmail.com | 📞 +91-9929767038 | 📍 India
🐙 GitHub | 🔗 LinkedIn

EDUCATION

Manipal University Jaipur Sept 2021 – May 2025
Bachelor of Technology in Computer Science & Engineering

- **GPA:** 9.00 / 10
- **Honors:** Recipient of the Dean's List Award for 4 consecutive semesters
- **Coursework:** Artificial Intelligence, Machine Learning, Algorithms, Deep Learning, Computer Architecture

EXPERIENCE

Ooumph- AI Developer Feb 2025 - Present

- ◆ Engineered autonomous content-generation agents using LLMs with dynamic context windowing and model context protocols, enabling SEO-optimized blog creation, intelligent post scheduling across 5+ platforms.
- ◆ Architected a real-time AI-powered financial community platform that integrated multiple specialized LLM agents (Gemma3, Agno Agent, CrewAI) with modular context routing to analyze stock trends, extract social sentiment, etc achieving a 40% increase in user engagement.

TechChefs Digital- AI/ML Intern Nov 2024 - March 2025

- ◆ Leveraged transformer-based language models and custom tokenizers within a Retrieval-Augmented Generation architecture to fine-tune dense embeddings, integrate Pinecone for efficient semantic retrieval, and conduct deep text analysis resulting in a 40% boost in recall@2k and a 35% improvement in overall vector search precision.
- ◆ Built an intelligent RFP proposal automation pipeline using advanced NLP techniques, including transformer encoders and contextual token embeddings, to extract, classify, and summarize key requirements—cutting manual effort by 60%, improving generation accuracy by 45%, and doubling proposal output throughput.

Astraeus Next Gen Pvt. Ltd.- AI/ML Intern Oct 2024 - Jan 2025

- ◆ Developed a real-time multilingual speech-to-text system using Whisper, reducing latency by 30%, and developed a data extraction pipeline scraping 200+ web/dark web sources for enriched analytics.

Bambhari-Machine Learning Intern June 2023- Sept 2023

- ◆ Integrated a novel feature selection algorithm, reducing model complexity by 36% and improving prediction accuracy by 15% on fraud detection tasks, the findings to fix the three biggest causes of false positives.

PROJECTS

Detecting Phishing Websites Using Deep Learning API

- ◆ Innovated a Deep Learning-based API for phishing site detection, boosting real-time cyber threat response and safeguarding user data.

Energy Price Prediction Using LSTM (Published)

- ◆ Designed an LSTM model to forecast energy expenses, achieving 94% prediction accuracy; the model processed 10,000+ historical data points, demonstrating strong proficiency in managing large datasets.

Enhancing Retrieval-Augmented Generation (RAG) Systems and Developing Chatbot

- ◆ Conducted experiments to optimize retrieval performance in a RAG system by evaluating embedding models, applying re-rankers, and fine-tuning strategies to enhance recall@2k.

SKILLS

Frameworks	Hugging Face, Pytorch, AI agents, OpenAI, Langchain, Pinecone, Streamlit, Retrieval-Augmented Generation, Natural Language Processing, Transformers, Model Context Protocol, Computer Vision
Database	MySQL, PostgreSQL, MongoDB
Languages	Python, C++, JavaScript
Soft Skills	Communication, Problem Solving, Teamwork, Adaptability, Critical Thinking
Coding Profiles	LeetCode (370+ Questions), GFG (200+ Questions), CodeForces (200+ Questions)

EXTRA-CURRICULAR & ACHIEVEMENTS

- ◆ Led the CodeChef Student Chapter as Mentor for 7 months, fostering a community of 500+ programmers on campus.
- ◆ Spearheaded marketing efforts as Head of Marketing at IEEE Sensors Council, driving visibility and strategic outreach.
- ◆ Oversaw financial planning and resource allocation as Treasurer of the Emanate Community, ensuring seamless operations.