

HARSHIT CHAWLA

+91-9560700282 | harshitchawlawork@gmail.com | linkedin.com/in/harshitchawla4705 | github.com/Harshit4705

SUMMARY

Aspiring AI/ML Engineer and final-year BCA student with hands-on experience in **LangChain**, **PyTorch**, and **Computer Vision**. Proven track record of building production-ready applications, including RAG systems, agentic AI workflows, and real-time detection models. Passionate about leveraging transformer architectures and LLM frameworks to automate complex research and business processes.

EDUCATION

Institute of Information Technology and Management (GGSIPU) <i>Bachelor of Computer Applications (BCA) – CGPA: 8.2/10</i>	Delhi, India 2023 – 2026
Maharaja Agrasen Model School, Pitampura <i>Senior Secondary (12th) – 86%</i>	Delhi, India 2022 – 2023

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, TypeScript, HTML/CSS
AI/ML Frameworks: PyTorch, TensorFlow, LangChain, LangGraph, YOLOv8, Scikit-learn, Transformers
Backend & Data: FastAPI, REST APIs, Vector Databases (FAISS, ChromaDB), WebSocket
Frontend & Tools: Next.js, React, Git, Docker, Streamlit, Hugging Face Spaces
Key Concepts: Retrieval-Augmented Generation (RAG), Agentic AI, Computer Vision, NLP

EXPERIENCE

AI & ML Trainee <i>ShapeMySkills Pvt. Ltd.</i>	June 2025 – July 2025 <i>New Delhi, India</i>
– Engineered an AI-powered waste classification system using YOLOv8 and computer vision to automate sorting processes. – Developed deep learning models for image classification (CIFAR-10) using custom CNN architectures. – Built predictive models for rental demand forecasting, achieving 85%+ accuracy through hyperparameter tuning. – Collaborated on code reviews and optimized model inference time for real-world deployment scenarios.	

PROJECTS

AI-Researcher <i>FastAPI, LangChain, Next.js, FAISS</i>	Nov 2025
– Developed a full-stack research assistant featuring project-specific PDF workspaces and ArXiv paper integration. – Implemented a RAG pipeline using FAISS vector store to deliver grounded, citation-backed answers. – Engineered streaming responses and a drag-and-drop interface using Next.js and WebSocket for real-time interaction. – GitHub: https://github.com/Harshit4705/AI-Researcher	
Code Review Agent <i>LangGraph, GitHub API, Static Analysis</i>	Aug 2025
– Architected an autonomous agent using LangGraph to perform multi-step code analysis workflows. – Automated the detection of security vulnerabilities and code quality metrics, integrating results directly into GitHub PRs. – GitHub: https://github.com/Harshit4705/Code-Review-Agent	
Custom GPT Language Model <i>PyTorch, Transformers</i>	June 2025
– Built a decoder-only transformer model from scratch, implementing multi-head attention and positional encodings. – Trained on the TinyStories dataset and deployed an interactive Gradio demo on Hugging Face Spaces. – Live Demo: huggingface.co/spaces/Harshit4705/AI-Story-Generator	

ACHIEVEMENTS

Winner, Execute AI Innovation Competition
1st Place, GenAI Hackathon
Top 100 Finalist, Execute 4.0 Hackathon

IITM Janakpuri (March 2025)
IIT Delhi (Jan 2025)
DTU (March 2025)