

RISHABH BHANDORIA

Generative AI Engineer | Machine Learning Engineer | Backend Developer

(Python, LLMs, NLP, RAG, and computer vision)

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SUMMARY

Aspiring generative artificial intelligence and machine learning engineer with hands-on experience in Python backend development and applied AI systems. Skilled in LLMs, RAG, NLP, Computer Vision, FastAPI, and REST APIs. I have gained experience in developing practical AI solutions such as ANPR systems, multimodal GenAI agents, and intelligent Q&A platforms. Actively seeking roles in generative AI, ML engineering, and backend development.

SKILLS

- Programming Languages:** Python, C
- Web Technologies:** HTML, CSS, JavaScript, React.js, Tailwind CSS
- AI & Machine Learning:** Machine Learning, Deep Learning, Generative AI, Large Language Models (LLMs), NLP, Computer Vision, Transformers, RAG, Vector Databases
- AI Frameworks & Libraries:** NumPy, Pandas, Scikit-learn, OpenCV, Hugging Face, LangChain

EXPERIENCE

Python Backend Developer Intern | Delhi Skill and Entrepreneurship University (DSEU)

Delhi, India | Oct 2025 – Present

- Developed an Automatic Number Plate Recognition (ANPR) system using YOLOv8, EasyOCR, and OpenCV to detect and extract vehicle numbers from real-world traffic footage.
- Designed and implemented RESTful backend services using FastAPI to support inventory and asset management workflows.
- Built scalable and production-ready Python APIs handling data validation, request processing, and database interaction.
- Achieved reliable detection accuracy on real-world traffic footage.

PROJECTS

Multimodal Generative AI Agent (Text to Image and Audio)

- Built a GenAI system using LLMs, diffusion models, and computer vision.

RAG-Based Intelligent Q&A System

- Developed a document question-and-answering system using NLP, LangChain, vector databases, and LLMs.

AI Meeting and Interview Assistant

- Created an AI assistant for real-time speech transcription and structured it using a speech-to-text pipeline and LLMs.

EDUCATION

Bachelor of Technology in Computer Science (Artificial Intelligence & Machine Learning)

GL Bajaj Institute of Technology and Management, Greater Noida, India

2022 – 2025