

DIPANSHU CHOUDHARY

AI/ML Developer | Generative AI | Transformers | Neural Networks | Computer Vision

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LinkedIn: [My LinkedIn profile](#) | GitHub: [My Github](#) | Portfolio: [My Portfolio](#)

Professional Summary:

Aspiring AI/ML engineer and student actively developing real-world intelligent systems, specializing in Agentic AI and autonomous agents. Committed to mastering practical applications of multimodal and generative AI across diverse, complex workflows.

Experience:

- Open-Source Contributor** – Actively contributing to the PyTorch framework by enhancing deep learning functionalities and performance.
- Research Assistant** – Working under my professor on AI/ML projects, with a focus on deep learning and generative AI.

Technical Skills:

Languages: Python • Java • HTML • CSS • JavaScript

ML/DL: ANN • CNN • RNN • Transformers • Generative AI • LLMs • Fine-tuning • NLP

Frameworks/Tools: LangChain • LangGraph • LangSmith • Crewai • OpenAI • TensorFlow • PyTorch

ModelOps & Deployment: MLflow • FastAPI • Docker • AWS • GCP

Computer Vision: OpenCV • MediaPipe • PIL

Version Control & Servers: Git • GitHub • MCP Servers

Soft Skills: Problem-Solving • Critical Thinking • Team Collaboration • Adaptability • Time Management

Projects:

- MediSure (Jun 2025)** - AI-powered medical prediction system with voice-enabled symptom analysis, featuring an interactive Gradio UI and text-to-speech using ElevenLabs and gTTS.
- AI Essay Mentor (Aug 2025)** - AI essay evaluator using complex workflows to generate scores, summaries, and improved drafts with subscription-tier features for advanced access.
- VeroCite (Jul 2025)** - Multimodal RAG assistant processing PDF, image, and voice inputs with contextaware voice responses using LangChain, Whisper, CLIP, and OpenAI.
- Smart Attendance System (Jul 2025)** - Real-time face recognition attendance system built with Python, OpenCV, and Streamlit, featuring automated CSV logging.

Education:

Amity University, Noida

Bachelor of Computer Applications (BCA) | 2024 – 2027