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

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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:

1. **Open-Source Contributor** – Actively contributing to the PyTorch framework by enhancing deep learning functionalities and performance**.**
2. **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 • Kafka
Computer Vision: OpenCV • MediaPipe • PIL
Version Control & Servers: Git • GitHub • MCP Servers
Soft Skills: Problem-Solving • Critical Thinking • Team Collaboration • Adaptability • Time Management

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Projects:

1. **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.
2. **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.
3. **VeroCite (Jul 2025) -** Multimodal RAG assistant processing PDF, image, and voice inputs with context-aware voice responses using LangChain, Whisper, CLIP, and OpenAI.
4. **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