

## DIPANSHU CHOUDHARY

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

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### Professional Summary:

Aspiring AI/ML developer with hands-on experience in building real-world intelligent systems, including solutions powered by Agentic AI and autonomous agents. Focused on practical applications of multimodal and generative AI across diverse workflows.

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### Technical Skills:

**Languages:** Python • Java • HTML • CSS • JavaScript

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

**Frameworks/Tools:** LangChain • LangGraph • Hugging Face • OpenAI • TensorFlow • PyTorch

**ModelOps & Deployment:** Model Evaluation • FastAPI • Docker • Kubernetes

**Computer Vision:** OpenCV • StyleGAN • MediaPipe • PIL **Version**

**Control & DevOps:** Git • GitHub • MCP Servers

### Soft Skills:

Problem-Solving • Critical Thinking • Team Collaboration • Adaptability • Time Management • Attention to Detail

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### Projects:

1. **VeroCite (Jul 2025):** Developed a multimodal RAG assistant that accepts PDF, image, and voice input, and responds with context-aware answers via voice output using LangChain, Whisper, CLIP, and GPT models.
  2. **MediSure (Jun 2025):** Created an AI-based medical prediction system with voice input and output, deployed using FastAPI and Streamlit for interactive symptom analysis.
  3. **StyleGAN Generator (May 2025):** Built a custom face generation tool using StyleGAN and TensorFlow to synthesize realistic facial images.
  4. **AutoTasker (Jul 2025 – Ongoing):** Implemented autonomous AI agents for automating file organization, document processing, and task execution workflows.
  5. **Smart Attendance System (Jul 2025):** Built a real-time face recognition attendance system with Python, OpenCV, Streamlit UI, and SQLite-backed logging with admin filtering and duplicate prevention.
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### Education:

**Amity University, Noida**

**Bachelor of Computer Applications (BCA) | 2024 – 2027**