Akshat Gupta

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About Me

I am an enthusiastic AI student dedicated to artificial intelligence, machine learning, deep learning, and generative AI. Currently pursuing a B.Tech in Computer Science & Engineering at Bennett University, I develop innovative solutions that combine technical expertise with creative thinking. I constantly explore emerging trends, dive into new projects, and nurture my hobbies, all of which fuel my passion for advancing AI technology.

Education

B.Tech in Computer Science & Engineering   Bennett University, Greater Noida, India
Aug 2022 – Present   *CGPA: 8.64/10*

Projects

Custom LoRA Model: Developed a highly realistic image generation model by fine-tuning a Flux-based model using a Custom LoRA technique on personalized facial data. This project demontrates advanced expertise in generative AI and efficient model adaptation.

Akshar: Developed a real-time translation chat application using Flutter and AI-based speech processing for seamless multilingual communication.

Eye Disease Detection: Built a deep learning model to classify fundus images into 10 different disease categories.

Medical ChatBot: Implemented an AI-powered medical chatbot using retrieval-augmented generation.It can help in various diseases can be updated by just updating the vector database

FacePay: Designed an AI-powered facial recognition payment system as an alternative to QR codes.

Technical Skills

Programming & Development: Python, C++, Flask, FastAPI, Docker, Git, Streamlit

Machine Learning & AI: TensorFlow, PyTorch, OpenCV, Autoencoders, Transformers, Prompt Engineering

Generative AI & LLMs: Hugging Face, Diffusion Models, LoRA Models, Agentic AI, OpenAI Agents

RAG & AI Frameworks: LangChain, FAISS, ChromaDB, AutoGPT, Langflow

Certifications

Machine Learning by IBM

Deep Learning Specialization by Andrew Ng

Generative AI by DeepLearning AI

Hackathons & Competitions

Smart India Hackathon: Developed Krishi-Sanrakshan, a deep learning solution for disease detection in livestock and plants.

IndiaAI Mission: Developeded a healthcare startup idea for home-based X-ray imaging and diagnostic report.

Galgotias International Hackathon: Advanced to the second round in June 2024.