

Nirbhay Gupta

Bachelor of Technology (B.Tech) in Electronics And Communication Engineering

Minor in Generative AI, LLM and Agentic AI

Indian Institute of Information and Technology Dharwad

+91 7881142020

nirbhaygupta4113@gmail.com

23bec032@iiitdwd.ac.in

GitHub

LinkedIn

Portfolio

EDUCATION

Indian Institute of Information and Technology Dharwad, Karnataka

Bachelor of Technology in Electronics And Communication Engineering

2027

Christ Church College Lucknow

Indian School Certificate Board (12th Board)

2022

Percentage: 91.8%

EXPERIENCE

Co-Founder & AI Engineer

AgneyumAI

December 2024 – January 2025

- Co-founded AgneyumAI, a venture building autonomous AI agents that generate revenue, solving real-world issues.
- Built and orchestrated AI agents using n8n, LangChain, FastAPI, Docker, Pinecone
- Technologies: LandGraph, OpenAI, TogetherAI, Hugging Face Transformers, Docker

PROJECTS

Health Assistant Chatbot Fine-Tuned on BioBERT with RAG Model

[GitHub](#)

- Developed medical query chatbot using custom BioBERT architecture for healthcare applications
- Integrated Retrieval-Augmented Generation (RAG) for enhanced health report analysis
- Built multiclass classifier transformer model for symptom categorization and diagnosis
- Technologies: BioBERT, RAG, Transformers, Python, TensorFlow, Natural Language Processing

IOT based Agricultural Drone Image Segmentation using Computer Vision

[HuggingFace](#)

- Developed multi-step agricultural drone image segmentation pipeline using Drone data
- Created manual annotation system for vegetation health and field boundary detection
- Deployed solution on Jetson Orin Nano for real-time field monitoring
- Technologies: Python, OpenCV, TensorFlow, PyTorch, Flask, Detectron2, YOLO

AI-Khata – AI-Driven Business Management Platform for Indian SMBs

[Playstore](#)

- Conceived AI-powered alternative to Khatabook targeting 60M+ Indian SMBs
- Automated digital bookkeeping, credit tracking, and GST compliance features
- Built generative AI features for transaction categorization and cash flow forecasting
- Developed marketing automation and hyper-local business insights capabilities

TECHNICAL SKILLS

Programming Languages: Python (Advanced), Java, HTML, CSS, LaTeX

AI/ML Frameworks: PyTorch, TensorFlow, Scikit-learn, Hugging Face Transformers, LangChain, LlamaIndex, n8n

MLOps & DevOps: Docker, Kubernetes, Git, GitHub Actions, CI/CD, FastAPI

Cloud & Databases: AWS (S3, EC2, SageMaker), Google Cloud Platform, MySQL, Pinecone

COURSES UNDERTAKEN

Core Computer Science: Data Structures and Algorithms, Object Oriented Programming, Problem Solving through Programming

Professional Certifications:

- CS50x - Introduction to Computer Science
- CS50AI - Introduction to Artificial Intelligence With Python
- CS50P - Introduction to Programming with Python ([Certificate](#))
- Supervised Machine Learning: Regression and Classification - DeepLearning.AI ([Certificate](#))
- Complete Data Science, Machine Learning, DL, NLP ([Certificate](#))
- Complete MLOps Bootcamp With 10+ End-To-End ML Projects (Ongoing)

POSITIONS OF RESPONSIBILITY

- HackToFuture – Participated in National Level Hackathon.
- Music Club Member (440 Hz) – Active member of music club, IIIT Dharwad.
- Organizer, Hospitality and Public Relations, Habba Fest – Organized Hospitality and PR for Habba Fest.
- Sports – Represented IIIT Dharwad in Lawn Tennis and Chess at the Inter-IIIT Sports Meet in Prayagraj.