

Priyadarshi Annupam

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EDUCATION

Indian Institute of Technology (BHU)
B.Tech in Mechanical Engineering CGPA: 8.37/10.0
Central Board of Secondary Education
Senior Secondary (Class XII): 94.6%

Varanasi, India
Oct. 2022 – May 2026
Bhubaneswar, India
2020 – 2022

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, SQL
Machine Learning & AI: PyTorch, Transformers, Hugging Face, LLMs, RAG, ChromaDB, Fine-Tuning
Backend & APIs: FastAPI, Flask, Django, REST APIs
Cloud & Tools: AWS, Docker, Git, GitHub, Firebase, VS Code, CI/CD

EXPERIENCE

AI Consultant June 2026 – Present
Sirius AI Gurgaon, Haryana

- Developed **RAG** applications using **Python** and **vector databases** for financial services knowledge retrieval.
- Built document processing pipelines with **OCR** and **metadata extraction** for enterprise knowledge bases.
- Collaborated with senior engineers to integrate **LLM APIs** and improve **prompt performance** across AI apps.
- Tested **AI workflows**, fixed backend issues, and delivered production-ready features using **agile development** practices.

PROJECTS

Apogee | *JavaScript, FastAPI, WebLLM, Ollama, RAGs* May 2026 – Present

- Built privacy-first cross-browser AI extension summarizing webpages and answering contextual questions.
- Integrated **WebLLM**, **WebGPU**, and **Ollama** enabling fully local language inference offline.
- Developed **FastAPI** backend with streaming responses, Python CLI, browser integration utilities.
- Implemented secure on-demand content extraction, browser messaging, supporting Chrome Firefox compatibility.

HermitLM | *PyTorch, Transformers, Tokenizers, Discord.py, gTTS, AWS* April 2026 – May 2026

- Generated and trained on a **100K synthetic conversation dataset** across 60 categories for consistent persona.
- Built an **8M parameter** causal **Transformer** from scratch with multi-head attention and **SwiGLU FFN**.
- Developed a **Discord bot** interface that serves model responses with optional MP3 voice output using **gTTS**.
- Deployed the bot on an **AWS EC2** instance for **24/7 availability**, including environment setup.

KEY COURSES TAKEN

Mathematics: Probability and Statistics(MA-202), Stochastic Process(MA-341)
Computer Science: Operations Research(CSO-324), Database Management System(CSE-302)

ACHIEVEMENTS & EXTRA-CURRICULAR ACTIVITIES

Inter IIT Tech Meet: Secured **10th, 5th, and 6th positions** in IGDC for three years 2023 – 2026
Rendezvous (IIT Delhi): Secured **3rd position** in Sci-Biz-Tech Quiz 2024
JEE Advanced: Secured an **All India Rank of 6110 out of 2 lakh candidates** 2022
JEE Main: Secured an **All India Rank of 10089 out of 10 lakh candidates** 2022
Technex: Designed promotional posters as a member of the Design Team. 2024
RMO: Qualified Regional Mathematical Olympiad (**Top 35 in Odisha** among all) 2019

POSITIONS OF RESPONSIBILITY

Joint Secretary July 2024 – May 2025
Quiz Club, IIT (BHU)