

VIDUSHI ANAND

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EDUCATION

Bachelor of Technology in Computer Science specialized in AIML

Dronacharya College of Engineering | 8.1

Gurugram, Haryana, India

Aug. 2023 – 2027

EXPERIENCE

SOFTWARE AI ENGINEER INTERN

June 2025 – Present

API.market (MagicAPI Inc | Noveum.ai)

San Francisco, California, USA - Remote

- Fixed, optimized, and deployed production-ready APIs using **Python, Docker, Cog, FastAPI, and Postman**.
- Designed, built, and productionized a **high-performance vector search system** for low-latency, large-scale semantic retrieval.
- Developed **30+ RAG evaluation scorers** and **pipelines** for automated benchmarking and quality assessment of retrieval-augmented generation systems.

TECHNICAL PROJECTS

• **Kernel Hugz: An AI Therapist for Language Models** | [Github](#) | TinyLlama, LoRA, Python

June 2025

- Fine-tuned **Mistral-7B** with **LoRA** as an empathetic AI therapist conversing with a patient LLM.
- Designed **interactive dialogue flows** simulating synthetic emotions, reflective questioning, and adaptive conversational depth.
- Researched and applied **AI alignment** and personality modeling to create engaging, human-like interactions enriched with humor.

• **Law Vector: AI-Powered Legal Document Search Tool** | [Github](#) | Sentence Transformers, Pinecone, Flask, Docker,

PyPDF2, Perplexity

May 2025

- Co-developed a semantic search engine for legal documents, achieving **5× faster** retrieval than keyword search.
- Designed and implemented a **document chunking + transformer embedding pipeline**, integrating with **Pinecone DB** for scalable, high-precision vector search.
- Built and deployed a **Flask backend** to handle real-time legal queries with **<300ms latency**, ensuring smooth user experience.

• **Transformer-Based Language Model (LLM) Development** | [Github](#) | PyTorch, Dataset: WMT-14

May 2025

- Engineered a **transformer model from scratch** for robust, scalable language generation.
- Fine-tuned on the **WMT-14** German-to-English dataset, surpassing baseline BLEU scores and improving translation accuracy.

• **Debatable: AI-Powered Debate Platform** | [Github](#) | Gemini API, Streamlit

March 2025

- Developed an **interactive debate platform** using the Gemini API with LLMs in distinct personalities (funny, sassy, formal).
- Designed **engaging, dynamic** interactions to simulate real debates with **varied tones and styles**.
- Implemented a **judge LLM** to assess arguments and declare winners based on logic, coherence, and integrity.

TECHNICAL SKILLS

• **Languages & Databases:** Python, Java, C, R, SQL, MongoDB

• **AI/ML & NLP:** Supervised/Unsupervised Learning, CNNs, RNNs, LSTMs, Transfer Learning (ResNet, YOLOv8), BERT, Transformers, LLMs, RAGs, Model Optimization, FAISS.

• **Frameworks & Tools:** TensorFlow, PyTorch, OpenCV, NumPy, Pandas, Scikit-learn, Streamlit, Flask, Docker, Postman, Git, Kaggle, Google Colab

LEADERSHIP & ACHIEVEMENTS

• **Co-Lead, Deviators Club:** Driving flagship AI-ML initiatives and large-scale events like Hackathon

Devolympus, leading hands-on workshops, and building a dynamic, inclusive tech community on campus.

• **Impact Challenge IIT-M (Top 40):** Won a ₹50K grant for creating a biodiversity tech solution leveraging DETR and ViT for high-precision image-based detection.