NANDA GOPAL.D

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SUMMARY

AI/ML Research Engineer specializing in NLP and LLM. Proven track record in fine-tuning LLMs (LLaMA-2-7B) for domain-specific applications, building search and implementing production-grade ML pipelines. Winner of Cosmocloud Low-Code Hackathon 2024. Strong expertise in Python, PyTorch, transformer architectures, and deploying NLP solutions with 93%+ model accuracy across computer vision and >95% in multi-class classification tasks.

PROFESSIONAL EXPERIENCE

AI Intern (Part-time), Polygnan Foundation **Jan 2026 - Present**

- Worked on a full-stack LMS (Django + React), contributing to authentication workflows and frontend–backend integration. Prototyped GenAI applications and supported AI Bootcamp curriculum development on Agentic AI and autonomous workflows.

Contributor, Hacktoberfest 2025 **Oct 2025 - Nov 2025**

- Contributed to open-source data science projects using Python and key libraries like pandas and scikit-learn. Developed and optimized machine learning models, analyzed datasets, and collaborated with cross-functional teams to deliver impactful solutions.

Contributor, Social Winter Of Code **Jan 2025 - Mar 2025**

- Contributed to 5 open-source NLP and deep learning projects using Python, PyTorch, and TensorFlow. Applied few-shot learning and optimized data pipelines, boosting model inference speed by 30% through prompt and algorithm optimization.

PROJECTS

- **LawLite:** Developed an generative legal assistant and summarization system by fine-tuning LLaMA-2-7B with LoRA on 7,000+ Supreme Court judgments, integrating semantic search and ranking to enhance legal research efficiency using Python, HuggingFace, NLP and transformer architectures.
- https://github.com/NANDAGOPALNG/LawLite/tree/main
- **Vision Transformer Paper Replication:** Implemented and replicated a Vision Transformer (ViT) model achieving 93% accuracy using transfer learning and rigorous evaluation demonstrating strong research, implementation, and documentation skills to NLP/LLM production research.
- https://github.com/NANDAGOPALNG/Vision_Transformer_Paper_Replication/tree/main
- **Food Vision 101:** Designed a customer-facing food classification AI application using Python, PyTorch, TensorFlow, and EfficientNet, achieving 95% multi-class accuracy. Implemented robust data preprocessing, model evaluation, and scalable deployment on cloud platforms. https://github.com/NANDAGOPALNG/Food_Vision_101

SKILLS

- Python Programming
- GitHub
- Generative AI
- Data Visualization
- Langchain
- Deep Learning
- Machine Learning
- Agentic AI
- Scikit Learn
- PyTorch
- Large Language Models
- AWS Sagemaker
- Computer Vision
- Natural Language Processing
- Data Science

EDUCATION

Bachelor of Engineering **2023 - 2027**

Maharaja Institute Of Technology

CSE-AI&ML

ADDITIONAL INFORMATION

- **Leetcode:** https://leetcode.com/u/NANDAGOPALNG/
- **GitHub:** https://github.com/NANDAGOPALNG
- **Achivements**: First Prize at Cosmocloud Low-Code Hackathon 2024