

BARDAWAL BIHARI

+91-9014803908 • Telangana, India

bardawal5555@gmail.com • [linkedin.com/in/bardawal-bihari-12a995208](https://www.linkedin.com/in/bardawal-bihari-12a995208) • github.com/bardawalbihari

PROFESSIONAL SUMMARY

final-year M.Tech (CSE – AI & ML) student with strong hands-on experience in Large Language Models (LLMs), NLP, and deep learning. Proficient in fine-tuning transformer-based models using PEFT techniques (LoRA/QLoRA), model optimization, and applied LLM development. Experienced in Python-based data engineering, inference optimization, and building end-to-end AI pipelines. Quick learner with strong mathematical understanding of models.

EDUCATION

Master of Technology (M.Tech.), Computer Science with AI and ML

Vellore Institute of Technology, Vellore

2024 - 2026

Vellore, India

CGPA: 9.07

Bachelor of Technology (B.Tech.), Computer Science with AI and ML

Jawaharlal Nehru Technological University Hyderabad

2020 - 2024

Hyderabad, India

CGPA: 7.97

SKILLS

Programming:	Python (Advanced), SQL, C/C++, Java (Basics)
AI & ML:	Machine Learning, Deep Learning, Neural Networks, Model Mathematics
NLP & LLMs:	Transformers, BERT, LLM Fine-Tuning, Instruction Tuning, NLP Pipelines
Generative AI:	LLM Application Development, Prompt Engineering, RAG (Foundations)
Frameworks & Tools:	PyTorch, TensorFlow, Scikit-learn, Hugging Face
Data Engineering:	Pandas, NumPy, Data Cleaning, Feature Engineering, ETL Pipelines
Backend & APIs:	REST APIs, Flask, FastAPI (Basics), JSON
Deployment & Systems:	Linux Basics, Docker (Basics), Git, GitHub

PROJECTS

LLM-Based Domain-Specific AI Modeling & Chatbot System: Designed and fine-tuned transformer-based LLMs for domain-specific text understanding using instruction tuning techniques. Applied PEFT methods to optimize training efficiency. Built NLP pipelines for NER, text classification, and semantic search, achieving 85% accuracy. Developed interactive LLM applications using Gradio, focusing on low-latency inference and model performance optimization.

AI-Driven Computer Vision System for Secure Access Control: Implemented a deep learning-based face recognition system using OpenCV and cloud-based inference. Optimized model performance for real-time prediction and deployed the solution using AWS Lambda, focusing on scalability and system reliability.

PROFESSIONAL EXPERIENCE

Data Science Intern, PowerSchool India

Jul 2024 – Present

- Built and maintained data pipelines using Python (Pandas, NumPy, SQL) to support ML model development.
- Applied statistical analysis and EDA to identify data patterns and improve model readiness. Supported training, fine-tuning, and evaluation of machine learning models, improving performance through feature engineering and hyperparameter tuning.
- Worked independently on assigned tasks and delivered results aligned with business and client requirements.

ACHIEVEMENTS & CERTIFICATIONS

- Solved 500+ Data Structures and Algorithms problems on LeetCode and GeeksForGeeks, demonstrating strong foundation in problem-solving and algorithm optimization—[Click Here](#)—
- IBM AI Engineering Specialization (Deep Learning, NLP, ML Deployment)
- Led a team of 5 students to successfully organize a Technical Fest, managing logistics and engagement.