

# TEJAS UPADHYAY

📞 +91-8103759438 | ✉️ tejas.initiate@gmail.com | 🔗 LinkedIn | 🐙 Github | 🚀 LeetCode

## WORK EXPERIENCE

### OLL | AI Developer Intern

Feb 2025 - May 2025

- Developed and deployed 5+ AI/ML models achieving up to 94% accuracy across real-world tasks, optimizing model pipelines and deployment workflows.
- Built **Student Observer AI** for automated classroom behavior analysis and a **Performance Analysis Tool** for client-specific educational data insights.
- Delivered complete AI systems improving decision-making processes, reducing analysis time by 30%, and automating evaluation across 100+ student profiles.

## PROJECTS

### MarketRes - Multi-Agent Market Analysis | AI Agents & Architecture Developer.

Jan 2025

- Engineered a distributed multi-agent system leveraging transformer-based architectures and advanced NLP for enterprise market intelligence analysis, reducing research time by 80% for industry analysis tasks.
- Implemented sophisticated orchestration layer managing specialized processing units through distributed computing principles, enabling parallel processing of market data with 99.9% system reliability.
- Developed custom state management protocols and neural network architectures for market data processing, resulting in 2-3 second response times across complex analysis tasks.
- Integrated API endpoints (Gemini Pro, Tavily) through proprietary middleware layer, enabling comprehensive market analysis and AI strategy generation across 6 major industry sectors.

### CoraNet - Predicting AI with AI | Lead Algorithm Developer for GNN.

Nov 2024

- Implemented advanced algorithms using the Cora citation network dataset resulting in improved forecasting capabilities for machine learning projects; streamlined processes ultimately saving 10 hours weekly during validation phases.
- Examined graph-based interactions within the dataset; generated critical findings that addressed three major pitfalls impacting AI model performance and guided future research directions for enhanced outcomes.
- Conducted comprehensive analysis of graph model outcomes against five distinct datasets; findings addressed major weaknesses leading to restructured accuracy levels.
- Directed and executed graph neural network models to elevate relational reasoning capabilities, leading to the successful forecasting of AI model performance against 12 diverse datasets with revamped accuracy benchmarks.

## SKILLS

- **Programming Skills:** Python, SQL, Go Lang.
- **AI ML Tools:** Scikit-learn, TensorFlow, PyTorch, Generative AI, Deep Learning, AutoGen, Agentic AI.
- **Data Tools:** PostgreSQL, MongoDB, Redis, Power BI.
- **Cloud DevOps:** AWS (EC2, S3), Docker.

## PROFESSIONAL CERTIFICATIONS

- **MLOps Specialization** (Duke University): Advanced ML pipelines, model deployment
- **AWS Certified Cloud Practitioner:** Proficient in cloud architecture and scalable systems
- **IBM Generative AI Engineering:** Expertise in transformers and LLM optimization
- **NVIDIA AI Infrastructure Fundamentals:** Specialized in GPU acceleration

## EDUCATION

### Vellore Institute of Technology

Aug 2021 - Aug 2025

*Bachelor of Technology - Computer Science and Artificial Intelligence*

### NJN Aadarsh Hr. Sec.

Mar 2019 - Mar 2021

*Class XII (MP Board) - 94.6% | Class X (CBSE) - 96.0%*