



BALLA DOONDI SURYA VIKRAM

Kalasalingam Academy of Research and Education
BTech - Computer Science(AIML) - (2022-2026)
CGPA: 8.22

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 [LinkedIn](#)

 [GitHub](#)

PROFESSIONAL SUMMARY

Results-oriented Machine Learning Engineer with specialization in Deep Learning, NLP, and LLMs. Experienced in building predictive models, neural network optimization, and implementing AI via APIs (Ollama, Gemini, OpenAI). Knowledgeable in TensorFlow, PyTorch, scikit-learn, and deployment of ML solutions to real-world use cases such as fraud detection, language translation, and personal recommendation systems.

TECHNICAL SKILLS

Programming Languages: C++, Python, SQL
Machine Learning & Deep Learning: TensorFlow, PyTorch, scikit-learn
NLP & LLMs: spaCy, NLTK, Transformers, Seq2Seq, Attention Mechanisms
Computer Vision: OpenCV, YOLO, Image Processing
Data Engineering: Pandas, NumPy, Data Cleaning, Feature Engineering
Deployment & APIs: Docker, FastAPI, Ollama, OpenAI, Gemini
Version Control & Tools: Git, Jupyter Notebook

PROJECTS

PERSONALIZED MEAL PLANNER (NLP & AI)

Designed an AI-powered meal planner using Natural Language Processing (NLP) to analyze dietary preferences and health goals.
Integrated with external APIs for real-time nutritional data and customized meal recommendations.
Achieved 85% accuracy in aligning dietary suggestions with user health parameters.

LANGUAGE TRANSLATOR USING SEQ2SEQ MODEL WITH ATTENTION MECHANISM

Developed an end-to-end machine translation system using a Seq2Seq model with attention to improve context preservation.
Trained on 900,000+ bilingual sentence pairs, optimizing with data augmentation techniques.
Achieved a 30% improvement in translation accuracy over baseline models.

Git link : <https://github.com/vikramballa/Language-translator-seq2seq-with-attention>

MYSTIC MINDS

Developed an AI-powered storytelling app to teach moral values to children using a fine-tuned Llama 3 model. Designed and implemented a system to generate engaging, age-appropriate moral stories. Focused on enhancing children's learning experience through AI-generated narratives.

Git link : <https://github.com/vikramballa/MythicMinds>

ACHIEVEMENTS & EXTRACURRICULAR

Hackathon Winner – Developed an AI-based traffic safety system, securing Top 5 placement.
Mentored junior developers on ML model deployment and performance tuning.

ADDITIONAL INFORMATION

Languages: English, Hindi, Telugu