PRAMOD KUMAR MARRI

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OBJECTIVE

Aspiring AI/ML Engineer with hands-on experience in LLM integration, RAG systems, and deep learning models, seeking opportunities to build scalable AI applications and contribute to data-driven product development**.**

EDUCATION

Bachelor of Technology, Artificial Intelligence & Machine Learning

Sagi Rama Krishnam Raju Engineering College , Bhimavaram, India   - 2021– 2025 (CGPA: 8.4)
Courses: Data Structures & Algorithms, Machine Learning, Deep Learning, Natural Language Processing

SKILLS

Programming : C, Java, Python, Go	**Frameworks:** FastAPI, LangChain, TensorFlow, Keras, Scikit-learn
Web Technologies: HTML, CSS, JavaScript	**Databases**: MySQL , Vector Databases : Pinecone, ChromaDB
Tools: VS Code, Google Colab, Git , GitHub	**AI Tools:** OpenAI API, Hugging Face
Data & Visualization Tools: Pandas, NumPy, Matplotlib, Seaborn, Tableau	

PROJECTS

DOC Chat AI - Intelligent Document Assistant (RAG, LangChain, FastAPI) - LINK

- o   Architected production-grade RAG pipeline for semantic document search, processing pdf/doc with token chunking and achieving efficient context retrieval.
- o   Built full-stack AI document chat application with real-time multi-format document processing and implemented speech-to-text integration.

Video Insight Mapping Application: (LLMs Full Stack & AI Integration)

- o   Built a video analysis app using OpenAI Whisper for transcription and FastAPI backend.
- o   Integrated React frontend for multimodal AI processing.
- o   Added keypoint summarization using Gemini API with context-aware prompts.

Robust Classification Model: (Machine Learning)

- o   Built Random Forest model improving F1 score by 14% over baseline.
- o   Conducted EDA, feature engineering, and performance evaluation.

EXPERIENCE

EduSkills Foundation   Jan 2025 - Feb 2025

AI Intern

- o   Built and optimized CNN models for image classification and object detection using TensorFlow and Keras.
- o   Developed preprocessing pipelines (data cleaning, augmentation, normalization) to improve performance.
- o   Completed hands-on labs on CNNs, model evaluation, and error analysis

Blackbucks Engineers   July 2024 - Sep 2024

AI/ML Intern

- o   Developed a CNN classifier on CIFAR-10 achieving 83% accuracy.
- o   Applied hyperparameter tuning, dropout, and batch normalization to improve generalization.
- o   Collaborated in a 4-member team, streamlining preprocessing and experimentation workflow.

Henotic Technologies Pvt. Ltd.   June 2023- Sep 2023

Machine Learning Intern

- o   Built supervised ML models for classification & regression tasks with datasets of 50k+ entries.
- o   Conducted EDA and feature engineering, reducing model error rates by 18%.

CERTIFICATES

Prompt Engineering -- Columbia Plus(Aug 2025)
Databases for Developers Foundations -- Oracle Dev Gym (Jan 2025)

INTERESTS

|Team Leadership**|** Problem Solving **|**Attention to detail **|**Collaborative discussion**|**