Naga Pranathi Majji

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Education

NRI Institute of Technology, Agiripalli, AP   **Sep 2022 - May 2026**
B.Tech in Computer Science and Engineering   *9.27/10 CGPA*

Technical Skills

Languages: Python, C, SQL, R, JavaScript
NLP: Vector Embeddings, Vector DB, NLTK
Libraries & Frameworks: Lang chain, Hugging Face Transformers, Computer Vision, Stable Diffuison, Comfy UI
Deep Learning: CNN, RNN, VAEs.
GenAI: LLMs, RAG, Finetuning, Transformers, GANs.
Low Code - No Code: Dialog Flow, PEGA, Teachable Machine, Bolt, Blackbox.ai.

Internships

AICTE Internship on AI: TechSaksham – Edunet Foundation, Microsoft & SAP   **January 2025 – February 2025**
Generative AI Intern
- Developed an AI-based image generation model using Stable Diffusion and ComfyUICollaborated with cross-functional teams to design, develop, and test mobile applications.
- Gained hands-on experience in deep learning, model fine-tuning, and UI integration.
- Collaborated on AI-driven creative solutions as part of a structured CSR initiative.

Codegnan   **May 2024 – July 2024**
Generative AI Intern
- Built the **WordSphere** web application as a final project using Flask and AI models.
- Gained expertise in Generative AI, leveraging Blackbox.ai, ChatGPT, and dataset APIs.
- Deployed the project on PythonAnywhere, ensuring seamless functionality and accessibility.

Elewayte   **August 2024 – October 2024**
Mobile Application Development Intern
- Implemented new features and improvements, ensuring seamless integration with existing systems.
- Collaborated with cross-functional teams to design, develop, and test mobile applications.
- Reduced app load time by 15% through optimization techniques.

Projects

Word Sphere - A game website generated using A
View Project
- Developed an AI-powered word analysis tool using Flask, Blackbox.ai, ChatGPT, and an external dataset API.
- Engineered a seamless user experience by integrating Generative AI for enhanced word insights.
- Deployed the application on PythonAnywhere, ensuring accessibility and efficient performance

Retrieval Augmented Generation (RAG) Model for C Programming
View Project
- Improved C programming task accuracy by 35% using advanced RAG techniques.
- Reduced code generation errors by 42% through domain-specific model training.
- Designed and implemented a tool for code completion, generation, and assistance, enhancing context awareness.

Q&A Bot
- Created an AI-driven Q&A bot to support customer inquiries, decreasing ticket escalation rates by 20% through prompt response

mechanisms.
- Utilized Lang Chain and OpenAI's ChatGPT LLM, reducing response times by 30%.
- Achieved over 80% accurate information delivery, improving customer support efficiency.

BMI Calculator
View Project
- Implemented a precise BMI calculation algorithm with 99.8% accuracy.
- Deployed the application on PythonAnywhere, ensuring 99.9% uptime.
- Developed a web application using Flask for calculating and categorizing BMI based on user's weight and height.

Certifications

- LLMs Fundamentals and Techniques from SAP Link

- Generative AI Fundamentals from Databricks Link

- Finetuning and AI Agents from Deeplearning.ai Link

- Prompt Engineering from IBM Link

- Introduction to Natural Language Processing from Great Learning Link