

Pavushetty Yashwanth Krishna

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Education

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE WARANGAL

Bachelor of Technology in Computer Science and Engineering

Expected May 2026

Wanaragal, Telangana, India

Experience

Restack (Earn By Building Program)

Dec 2024

Open Source Contributor

Remote / Berlin, Germany

- Contributed to the Restack AI Python SDK Examples repository by integrating ElevenLabs' Text-to-Speech and Voice Isolation functionalities, simplifying user onboarding and providing clear workflow examples.
- Enhanced the repository's value through advanced integrations that demonstrate real-world applications of the Restack SDK, benefiting developers of all skill levels.
- Awarded \$500 in recognition of high-quality contributions that align with Restack's mission to empower developers in building AI-powered applications.

Projects

Text2Story (Video Demo) | *AI, Animation, Voice Synthesis*

- Developed an AI-driven platform that transforms textbook lessons into interactive, animated videos, enhancing children's education.
- Enabled parents to add personalized voiceovers, making learning more engaging and tailored to individual needs.
- Bridges traditional education with storytelling, improving retention and making concepts more accessible.

Content Hub (lablab.ai) (GitHub) | *AI, Social Media Automation*

- Developed an AI-powered cross-platform content generation with IBM's Granite AI models and APIs to deliver personalized, SEO-optimized posts that capture each user's unique voice.
- Implemented a real-time ingestion pipeline from Twitter, LinkedIn, and Instagram to transform raw interactions into compelling narratives in seconds.
- Built an interactive analytics dashboard that provides actionable insights and performance metrics to refine digital communication strategies.
- Winner of the IBM Granite AI Challenge, securing the first prize among 1900 participants worldwide with a 5,000 USD reward.

DevDocs (Devpost) (GitHub) | *AI-Powered Search, Workflow Automation*

- Designed an AI-powered tool that streamlines developer workflows by providing real-time, accurate answers from company documentation.
- Utilized the Modus framework and Llama 3.1 to eliminate manual browsing through extensive documentation.
- Enabled AI-powered search, real-time results, and custom data integration, improving productivity and reducing frustration.
- Implemented Neo4j for knowledge graph storage and retrieval, leveraging RAG search for efficient query processing.
- Winner of the Hypermode Knowledge Graph + AI Challenge, securing the first prize among 553 teams worldwide with a 3,000 USD reward.

AI-Powered Space Exploration (NASA Project) | *NASA Space Apps Challenge*

- Developed an AI-powered platform inspired by the James Webb Space Telescope to create personalized space exploration videos.
- Integrated real telescope data with AI-generated visuals and multilingual narrations for a more immersive experience.
- Recognized as a Global Nominee and winner of the People's Choice Award in the NASA Space Apps Challenge.

Technical Skills

AI Agent Development: CrewAI (Multi-Agent Systems), LangGraph (Stateful Workflows), LangChain (LLM Orchestration), Autonomous Agent Architectures, Agent Memory Management, Task Delegation Frameworks

Vector and Graph Databases: Neo4j (Knowledge Graphs), Supabase (Vector Search), Pinecone (Vector Storage), Graph-Based RAG Architectures, Semantic Search Systems