

Pennada Venkata Chaitanya

[Portfolio](#)

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[Referrals](#)

Work Experience:

- **Machine Learning Engineer | AI Gen Media | March 2024- June 2024:** [\[Certificate\]](#)
As a contract employee, I rapidly developed an AI-driven text-to-video tool ahead of schedule. Demonstrated expertise in LLMs, text-to-image models, and AI agents, achieving **80% visual consistency**. I also strengthened my skills in prompt engineering and data quality assurance.
- **SDWE AI/ML Intern | Spring Works | July 2023- September 2023:** [\[Certificate\]](#)
Developed Python tests & POCs for Spring Works' AI chatbot (Albus), boosting test **coverage from 30% to 75%**. Demonstrated proficiency in Python, NLP, and LLMs through testing and feature development, such as building a feature to extract key information from CSV and Notion files.
- **AI/ML Intern | Technical Hub | July 2022- November 2022:** [\[Certificate\]](#)
Developed and deployed ML models. Enhanced computer vision models, achieving **85% improvement** in accuracy and performance. Collaborated with professors and documented code for future use.

Skills & Proficiencies:

- **Programming Languages:** Python, C++, C, SQL
- **Technologies:** Machine Learning, Deep Learning, NLP, LLM
- **Tools:** TensorFlow, Scikit-learn, NLTK, AI Agents, GIT, DSA

Education:

- **Bachelor of Technology in Computer Science and Engineering:** [June 2020 - June 2024](#)
Graduated from Aditya College of Engineering and Technology with a focus on ML & Data Structures.

Projects:

- **AI-Powered Video to GIF:** [\[GitHub\]](#)
This Streamlit web app generates GIFs from videos with text overlays matching spoken words. It transcribes the video, identifies GIF-worthy fragments, and creates the GIFs.
- **Story Book AI:** [\[GitHub\]](#)
This project explores the concept of transforming textual narratives (like short stories or novels) into a sequence of images that visually represent the story's key scenes and characters.
- **AI-Enhanced Surveillance:** [\[GitHub\]](#)
This project uses computer vision algorithms to enhance security systems, enabling continuous vigilance.
- **Custom Database Assistant powered by LLM:** [\[GitHub\]](#)
This custom chatbot uses LLMs for intelligent natural language conversations with a personal database.
- **License Plate Detection:** [\[GitHub\]](#)
This project used image processing, ML to recognize license plates automatically from Images, Video.

Achievements:

- Won institutional-level Hackathon: 'Solving for India' by GFG, Google and AMD. - [\[Certificate\]](#)
- Achieved 5-star rating on Hacker Rank in Problem Solving, C++, Python, and SQL.
- Solved 550+ coding problems on Leetcode and Geeks for Geeks.

Certifications:

- [Azure AI Fundamentals](#), [MTA Python Certification](#) from Microsoft
- [The Joy of Computing Using Python](#) from NPTEL
- [Data Science for Beginners](#) from NASSCOM