Pennada Venkata Chaitanya

Portfolio   LinkedIn   Email: venkatachaitanya373@gmail.com   Mobile: +919494771283   Referrals

Work Experience:

- **AI Software Developer | Persist Ventures | July 2024- Present:**
  Developed AI-powered creative tools independently, with occasional interactions with cross-functional teams for requirements. Achieved **95% accuracy** and accelerated **execution speed by 5X**, efficiently integrating numerous features in fast-paced environments.

- **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**. Additionally, I strengthened my skills in prompt engineering and rigorous data quality assurance.

- **SDE AI/ML Intern | Spring Works | July 2023- September 2023:**   [Certificate]
  Developed Python tests and POCs for Spring Works' AI chatbot, **boosting coverage from 30% to 75%**. Showcased expertise in Python, NLP, LLMs by creating features to extract data from CSV, Notion files.

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