

Mallipeddi Harsha Vardhan

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Summary

A proactive and detail-oriented 3rd-year Computer Science student specializing in Artificial Intelligence and Machine Learning at VIT AP University. Passionate about leveraging AI/ML concepts to build intelligent, user-friendly web applications. Actively developing a unique skill set in prompt engineering to bridge the gap between complex AI models and practical, real-world applications. Seeking internship opportunities to apply technical knowledge and contribute to innovative projects.

Education

VIT AP University | Amaravati, Andhra Pradesh

Bachelor of Technology (B.Tech), Computer Science and Engineering

Specialization: Artificial Intelligence & Machine Learning

Expected Graduation: June 2027

CGPA: 8.64/10.0

Work Experience

Generative AI Intern (Summer) | IBM

June 2025 - July 2025 | Remote

- Completed a summer internship focused on the practical applications of Generative AI.
- Gained hands-on experience with IBM's AI tools and platforms, including IBM Watsonx.

AI & Prompt Engineering Intern | VaultofCodes.in

June 2025 – July 2025 | Remote

- Secured a one-month internship through the AICTE portal, gaining practical experience in artificial intelligence and prompt engineering.
- Worked on real-world projects, developing solution-driven approaches and deepening technical skills.

Projects

AI Instagram Caption Generator | Live Demo | GitHub Repo

- Developed a web application to generate short, catchy Instagram captions with trending hashtags from simple text descriptions.
- Utilizes the Groq API with the LLaMA 3 model for fast, high-quality caption generation; features a clean, user-friendly interface with secure API key management using Streamlit Secrets.
- Technologies Used: Python, Streamlit, Groq API, LLaMA 3, CSS.

AI-Powered Lecture Summarizer & Question Generator

- Designed a system to help students revise long video lectures efficiently by generating concise summaries and practice questions from video or text transcripts.
- Auto-generates section-wise summaries, multiple-choice & short-answer questions, and topic-based keywords for quick indexing.
- Technologies Used: Speech-to-Text (e.g., Whisper, AssemblyAI), NLP (Hugging Face Transformers like BART, T5), and Question Generation models.

Calculator Project | GitHub Repo

- Developed a fully functional calculator with a user-friendly interface using web technologies.
- Implemented standard arithmetic operations, a responsive design, and a clean user interface.
- Technologies Used: HTML, CSS, JavaScript.

Certifications

GEN AI Using IBM Watsonx | IBM Career Education Program

- Successfully completed and received a passing grade on June 15, 2025.
- Course (CEWXAIIN) provided by IBMCE and powered by IBM Developer Skills Network.

Skills

Programming Languages: Python, Java, C, JavaScript

AI / Machine Learning: Artificial Intelligence, Machine Learning, Prompt Engineering, Groq API, LLaMA 3, IBM Watsonx

Web Development: HTML, CSS, JavaScript, Streamlit

Databases: SQL

Tools & Technologies: Git, GitHub, Streamlit Secrets

Interests

Technical: Exploring the integration of AI models in web applications, Natural Language Processing.

Personal: Gaming (Indoor & Outdoor), Passionate follower of Manchester United Football Club.