

# Mallipeddi Harsha Vardhan

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## SUMMARY

Aspiring AI/ML Engineer with a strong foundation in Computer Science and Engineering. Passionate about the evolution of generative AI and the nuances of prompt engineering. Committed to developing efficient machine learning solutions and exploring creative ways to leverage AI to enhance productivity and decision-making.

## SKILLS

**Languages:** Python, C, Java  
**AI & Machine Learning:** Artificial Intelligence (AI), Machine Learning (ML)  
**Querying:** SQL,MySQL

## EXPERIENCE

**Generative AI Intern (Summer)** June 2025 – July 2025  
*IBM 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** June 2025 – July 2025  
*VaultofCodes.in 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

**Disease Prediction System (Machine Learning)** January 2025 – February 2025

Developed a diagnostic tool using a **Random Forest Classifier** to predict health conditions based on symptoms with high accuracy across training and testing sets.

Implemented **SMOTE** (Synthetic Minority Over-sampling Technique) to handle class imbalance, ensuring unbiased predictions across various disease categories.

Utilized **Scikit-learn** for model training and **Seaborn/Matplotlib** to visualize feature importance, identifying the top 15 symptoms influencing the model.

Built an interactive interface allowing users to input symptoms and receive real-time prognosis based on clinical data patterns.

**AI Instagram Caption Generator** [April 2025 – May 2025]

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.

## CERTIFICATIONS

- **GEN AI Using IBM Watsonx (IBM Career Education Program, 2025):** Completed course CEWXAIIN, powered by IBM Developer Skills Network
- **AWS Academy Graduate - Cloud Architecting (2025):** Successfully completed 60 hours of professional training focused on designing distributed systems on AWS
- **AWS Academy Graduate - Cloud Foundations (2025):** Completed 20 hours of training covering cloud concepts, security, architecture, and pricing.

## EDUCATION

**Vellore Institute of Technology,AP** Graduation: 2027  
*CSE Specialization:AI/ML CGPA: 8.68/10*