**Hema Nagalla**

📞 +91 9381556997 | 📧 nagallahema2004@gmail.com | 📍 Amalapuram, Andhra Pradesh

**SUMMARY**

I’m an enthusiastic B.Tech student in Artificial Intelligence & Machine Learning, passionate about building AI-powered solutions that solve real-world problems. I enjoy exploring data, creating intelligent models, and turning ideas into impactful projects. My journey includes being part of the Amazon ML Summer School 2025 and Infosys Pragati Cohort 5 (Data Science Path), where I gained deeper exposure to AI concepts, hands-on practices, and teamwork. Known for my strong leadership skills, I enjoy guiding projects, collaborating with peers, and ensuring successful outcomes. With a solid foundation in Python, machine learning, and data visualization, I’m eager to contribute to innovative AI projects while learning and growing as an AI engineer.

**TECHNICAL SKILLS**

**Programming Languages**: Python , Data Structures & Algorithms (Intermediate),Machinelearning  
**Tools**: Power BI, Tableau, MS Excel, MS Word, Google Sheets, Google Docs  
**Other Skills**: Content Creation, Teamwork, Video Editing, Public Speaking, Leadership  
**Soft Skills:** Communication, Time Management, Adaptability, Problem-Solving, Leadership

**INTERNSHIPS**

**AI & Prompt Engineering Intern** – Vaults of Codes (May 2025 – Jun 2025)  
- Designed and tested different prompt engineering techniques (Zero-shot, Few-shot, Chain-of-thought) to optimize AI model responses.  
- Conducted structured experiments, such as explaining the greenhouse effect with multiple prompting styles, to evaluate output quality.  
- Created a Recipe Generator project applying various prompting strategies for diverse and accurate results.

**Machine Learning Intern (Healthcare)** – SmartBridge (Virtual)  
- Built ML models to predict liver cirrhosis using advanced techniques.

**Power BI Intern** – Cognifyz Technologies (May 2024 – Jun 2024)  
- Designed interactive dashboards to analyze savings patterns using Power BI and Python.

**PROJECTS**

**Recipe Generator** – Prompt Engineering  
- Developed a recipe generation tool that uses Zero-shot, Few-shot, and Chain-of-thought prompting methods.  
- Experimented with prompt design to improve creativity, variety, and clarity of generated recipes.

**Face Recognition** – Machine Learning

-Developed a real-time facial recognition system using Python and OpenCV.

**Hand Gesture Recognition** – Machine Learning

-Created a model to recognize and classify hand gestures.

**Parkinson Disease Detection** – Machine Learning

-Built an ML model to detect Parkinson’s disease from MRI scans.

**Blood Sample Detection** – Machine Learning

-Automated detection of Anemia, Diabetes, and other conditions using ML.

**Blinkit Sales Analysis** –Power BI

- Designed a Power BI dashboard to analyze sales performance and product optimization.

**HR Insights** –Tableau

- Built a Tableau dashboard to visualize HR metrics and departmental breakdown.

**EDUCATION**

B.Tech in Artificial Intelligence & Machine Learning – Bonam Venkata Chalamayya Engineering College (2022 – 2026)  
CGPA: 8.12 (up to 3.1 semester)

**ACHIEVEMENTS & PROGRAMS**

- Selected for **Amazon ML Summer School 2025** – intensive training on ML fundamentals, algorithms, and applications.  
- Member of **Infosys Pragati Cohort 5** – completed Data Science Path, gaining expertise in data analysis, ML concepts, and project execution.

**CERTIFICATIONS**

- ServiceNow CSA

- Artificial Intelligence – Infosys

- AI for India 2.0 – GUVI

- Python – GUVI

- Tableau – Jobaaj Learning

- Power BI – Techtip24