Dakamarri Manoj Vamsi

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Professional Summary

Motivated B.Tech graduate in AI & ML with hands-on experience in full-stack development. Skilled in building real-world AI/ML and web projects, seeking a software engineering role where I can apply my coding and problem-solving skills to contribute to real-world projects.

Education

Bonam Venkata Chalamayya Engineering College (Autonomous) — Odalarevu, AP
B.Tech in Artificial Intelligence and Machine learning — *Nov. 2021 – May 2025 CGPA : 7.02*

Sri Chaitanya Junior College — Rajahmundry, AP
Intermediate MPC — *Aug. 2019 – Jun 2021 CGPA : 86.4*

Technical Skills

Languages: Python
Frameworks: React, Node.js, Flask, HTML5, CSS
Developer Tools: GitHub, Vercel, Google Cloud Platform, VS Code, Excel
AI Tools & Concepts: Prompt Engineering, OpenAI API, Chain-of-Thought prompting

Projects

Drought Prediction & Water level Analysis Using Deep CNN
- Built a deep learning model using satellite images to predict drought and analyze water levels with high accuracy.
- Automated image preprocessing, feature extraction, and real-time drought detection via a user-friendly web app.
- Demonstrated strong skills in Python, TensorFlow, Keras, OpenCV, and Flask, delivering a scalable solution for environmental monitoring and water resource management.

Portfolio Link
- Designed and developed a personal portfolio using React, Next.js, and TailwindCSS to showcase full-stack projects and technical skills. Integrated responsive design, animations with Framer Motion, and deployed on Vercel for optimal performance.

Responsive weather app Link
- Implemented a city-based search functionality for weather information, providing real-time data on temperature, humidity, and conditions, resulting in a 30% increase in user retention.

Certifications

ServiceNow System Administrator — January 2024
- Certified ServiceNow System Administrator with expertise in managing and configuring the ServiceNow platform. Proficient in workflows, incident management, and performance analytics to improve IT service delivery.

Power BI and Tableau — April 2025
- Analyzed large datasets to extract actionable insights and supported data-driven decision-making for business operations.

Key Strengths

- Strong problem-solving ability; resolved critical issues under tight deadlines during final-year project delivery.
- Demonstrated leadership and coordination skills by leading a successful team project and ensuring timely completion.
- Quick learner with a strong curiosity to explore new tools and technologies.
- Disciplined and focused with the ability to adapt quickly to urgent requirements.
- Proficient in tools like Git, VS Code, and LLM-based assistants to streamline development workflows.