



AKSHAY CHOWDARY

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EDUCATION

Bachelor's Degree in CSE-AI & ML Specialization, VNRVJIET Expected 2026
CGPA-9.05 (present)

Intermediate in MPC, RESONANCE JUNIOR COLLEGE 2020 - 2022
Percentage-96.3%

SKILLS

Programming Languages: C,C++,Python,java,Javascript
Web Development: MERN stack,NextJS, Tailwind Css
Libraries: Numpy,Pandas,Matplotlib,Tensorflow,Pytorch
Others: LLMs, LangChain, Streamlit.

EXPERIENCE

Technical Head June 2023 - present
Krithomedh Technical Club *VNRVJIET, Hyderabad*

- Launched and managed two coding competitions on HackerRank that engaged over 150 participants; created and validated 15+ data structures and algorithms questions with rigorous test cases, enriching the technical assessment framework.
- Coordinated a National Hackathon, drawing in over 700 participants, while managing logistics and sponsorship negotiations; Introduced a feedback mechanism post-event that yielded actionable insights for future improvements, enhancing event quality.

PROJECTS

- Launched an innovative portfolio website that incorporates cutting-edge frameworks including Next.js and EmailJS which is now used by over 30 industry professionals for collaborations. [Portfolio Link](#)
- **Earthquake Forecasting Model using Machine Learning**
 - Built an Earthquake Forecasting Model using machine learning algorithms to predict earthquake likelihood, achieving an accuracy of 97.9% based on historical data from the Himalayan belt.
 - Collected and preprocessed over 10,000 data points. Implemented models such as Random Forest which gave the highest accuracy and Neural Networks, increasing prediction accuracy from 78% to 98% compared to the base research paper.
- **E-Commerce Shopping Website using JDBC**
 - Built an eCommerce website using Java, JDBC, MySQL to manage products, user accounts, and orders, optimizing database connectivity with JDBC, improving performance by 85
- **Recipe Sharing Web Application**

- Developed an interactive platform using MERN stack technologies featuring a searchable database with 50+ categories and detailed ingredient lists, enhancing user engagement and satisfaction by providing a comprehensive recipe discovery experience tailored to culinary enthusiasts.

- **Recipe Generator Using LLaMA 3.1 and LangChain**

- Technologies: LLaMA 3.1 (8b), LangChain, Streamlit.
- Developed recipe generation using LLaMA 3.1 (8b), LangChain and Streamlit for natural language processing.
- Implemented LangChain to generate personalized recipe prompts based on user preferences such as title, word count, and cuisine type. Achieved a 40% reduction in content creation time while enhancing user engagement.

ACHIEVEMENTS

- Secured 2nd place in the Web Alchemy competition organized by CSI VNR VJIET, showcasing front-end development skills with React.js and Bootstrap CSS (May 2024). [Certificate](#)
- Placed First in AI ART JAM, a competition featuring over 50 teams, showcasing exceptional creativity and technical proficiency in AI-generated art. [Certificate](#)
- Achieved special recognition in the Krithomedh 1.0 Hackathon by developing an innovative solution that outperformed 150+ competing teams.

CERTIFICATIONS

- Supervised Machine Learning [Certificate](#)
- Advanced Learning Algorithms [Certificate](#)
- MERN Stack Web Development Course
- GenerativeAI by NxtWave [Certificate](#)
- JPMC Software Engineering Job Simulation [Certificate](#)

EXTRA-CURRICULAR ACTIVITIES

- Coordinated an in-house "Smart India Hackathon" within the college, drawing participation from more than 100 teams and 600+ students.
- Implemented interactive workshops and networking sessions at the Ecficio 2.0 Annual Entrepreneurship Fest, driving participant satisfaction and engagement, while generating valuable feedback from 90% of attendees for future improvements.
- Conducted Krithoathon 2.0, a hackathon with a 75k prize pool: Designed problem statements for the ideation round, engaged with 3 companies to provide challenges for the second round, and managed participation of 206 teams.