AKSHAY CHOWDARY

+91 7893746567

Hyderabad, Telangana

k.v.akshay111@gmail.com LinkedIn

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
Libraries	Numpy,Pandas,Matplotlib,Tensorflow

EXPERIENCE

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

- Hosted 2 coding contests on hackerrank.
- Designed 10-15 new DSA questions and test cases.
- Conducted a National Hackathon and brought engagement around 700+ participants.

PROJECTS

Earthquake Forecasting Model using Machine Learning

- Built an Earthquake Forecasting Model using machine learning algorithms to predict earthquake likelihood 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

- Technologies: Java, JDBC, MySQL
- Developed an eCommerce web application backend to manage product listings, user accounts, and order processing. Implemented JDBC forseamless database connectivity and data manipulation.
- Enhanced user experience by ensuring fast and reliable access by over 85% to product data and transaction processing .

Recipe Sharing web application

- Built with the MERN stack (MongoDB, Express.js, React, Node.js)

- Created an interactive platform 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 2 and LangChain

- Technologies: LLaMA 2 (7 billion parameters), LangChain, Streamlit. Developed recipe generation using LLaMA 2 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.

- Engineered a dynamic dashboard using Streamlit that provided real-time data visualization, which enhanced decision-making speed by 50%, and delivered critical insights to decision-makers in under 2 seconds on average.

ACHIEVEMENTS

- Secured 2nd place in Web Alchemy, a competitive web development contest with nearly 100 participating teams, earning a certificate of achievement   [Certificate](#).

- Placed First in AI ART JAM, a competition featuring over 50 teams, showcasing exceptional creativity and technical proficiency in AI-generated art.   [Certificate](#).

- Secured a special mention in the prestigious Krithomedh 1.0 Hackathon, showcasing creativity and technical expertise against 150+ teams; delivered a unique project that significantly enhanced user experience and engagement.

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.

- Planned and hosted Freshers 2023 for 500+ juniors, facilitated engaging activities, managed logistics, and ensured smooth execution, enhancing participant experience.

- Volunteered, Ecficio 2.O Annual Entrepreneurship Fest: Organized activities for 1000+ attendees, led participant engagement, and boosted event awareness by 40%.

- Conducted Krithomedh Coding Contest as Technical Head: Designed coding questions for 1 online filtration round and 1 offline round, engaging nearly 100 teams.

- 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.