



# AKSHAY CHOWDARY

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## EDUCATION

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**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

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**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

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**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

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- [PORTFOLIO LINK](#)  
This is my portfolio website built using Next.js and Tailwind CSS, Framer Motion and EmailJS.
- **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 for seamless 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 3.1 (8b), LangChain, Streamlit.
- Developed recipe generation using LLaMA 3.1 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

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- 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](#)
- 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

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- 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

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- 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 2.0 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.