

# Jay Kalsariya

Phone: 93287 41901 — Email: jaykalsariya98@gmail.com — Portfolio: yourportfolio.com  
LinkedIn: linkedin.com/in/jay-kalsariya — GitHub: github.com/JAYKALSARIYA98

## Professional Summary

Computer Engineering student at MBIT, Anand, with expertise in full-stack web development and artificial intelligence solutions. Proficient in React.js, Python, Java, Node.js, and machine learning frameworks including TensorFlow. Experienced in building responsive web applications and developing AI models with strong knowledge of Data Structures and Algorithms. Seeking to leverage technical skills in an innovative software engineering position.

## Education

**CVM University - MBIT**

**August 2022 – May 2026**

*Bachelor of Technology in Computer Engineering*

*Minor: Robotics*

*August 2023 – May 2025*

## Technical Skills

**Programming Languages:** Java, Python, JavaScript, HTML, CSS

**Frontend Development:** React.js, HTML5, CSS3, JavaScript ES6+

**Backend Development:** Node.js, Express.js, Java

**Database Technologies:** MySQL, PostgreSQL, MongoDB

**Computer Science Fundamentals:** Operating Systems, Computer Networks, Database Management Systems

**Artificial Intelligence:** Machine Learning, Neural Networks, Data Analysis, TensorFlow

**Professional Skills:** Communication, Problem-Solving, Teamwork, Adaptability

## Work Experience

**AI Intern**

*1M1B Foundation*

- Developed an LLM-powered product recommendation system that analyzed customer reviews to suggest items based on specific user requirements
- Created a financial advisory web application with real-time inference capabilities using Groq LLMs, delivering personalized budgeting and investment suggestions
- Built responsive frontend interfaces with React.js and integrated LangChain with Groq for efficient and scalable LLM-based API interactions

## Projects

**AI Finance Advisor**

**January 2023 – March 2023**

- Developed a full-stack finance advisory application using React.js, Tailwind CSS, React Charts, and Groq LLMs for real-time budgeting and investment suggestions
- Implemented expense tracking functionality with add/remove features and data visualizations based on user income and spending patterns

### Crop-Care: AI-based Plant Disease Detection System

- Engineered an artificial intelligence web application using TensorFlow and Python for identifying plant diseases from leaf images to support early-stage diagnosis
- Designed and implemented a user-friendly interface for image uploads and integrated a chatbot to provide real-time support and actionable guidance for farmers

## AI Interview Analysis System

- Developed a web-based interview analysis tool using facial landmark detection and sentiment analysis to evaluate candidate responses
- Constructed the frontend with React.js and Tailwind CSS; backend pipeline used Python with OpenCV and MediaPipe to extract key facial features
- Implemented video-to-audio conversion using FFmpeg, speech transcription with Whisper API, and applied prompt-based NLP for interview insight generation

## Campus Pulse: College Event Management System

- Built a comprehensive college event management system using MongoDB, Express.js, React.js, Node.js (MERN) stack and Tailwind CSS
- Implemented role-based dashboards for Administrator, Event Creator, and Student users, ensuring appropriate access and functionalities
- Developed a secure authentication system with user account management and password reset functionality

## Additional Projects

- **Bolt.New Clone:** Created an AI website builder application using LLM APIs for prompt-based design generation
- **Cyber Threat Detection System:** Implemented machine learning models achieving 92% accuracy for network attack detection
- **School Result Website:** Developed a responsive web portal for SVGK Sihor using MERN Stack and deployed.

## Certifications and Achievements

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- **Google Developer Student Club:** Completed Google Cloud Study Jams and Generative AI certification program
- **Coursera Deep Learning Specialization:** Mastered neural networks and machine learning algorithms
- **Python for Data Science Certification:** Developed proficiency in data analysis and visualization
- **DAIICT Hackathon:** Secured Top 10 position for AI-driven solution among 100+ teams
- **SAP Foundation:** Successfully completed the Code Unnati Program
- **SAP Foundation:** Selected for Code Unnati Innovation Marathon Semifinal at Gujarat Technological University

## Interests & Hobbies

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Participating in hackathons, playing chess, Paradoxology, Cricket