

# AKANKSHA MAHTO

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## EDUCATION

### VELLORE INSTITUTE OF TECHNOLOGY

Bachelor of Technology  
ECE AI and Cybernetics

Bhopal, Madhya Pradesh  
June 2024

### SRI CHAITANYA TECHNO SCHOOL

Central Board of Secondary Education (CBSE) Class 12

Vizag, Andhra Pradesh  
May 2020

### SOUTH EASTERN RAILWAY MIXED HIGHER SECONDARY SCHOOL

Indian Certificate of Secondary Education (ICSE) Class 10

Chakradharpur, Jharkhand  
May 2018

## SKILLS

**Languages:** JavaScript

**Web Frameworks:** React.js, Next.js

**Client-Side Technologies:** HTML, CSS, Tailwind, Material UI, Shadcn UI

**Server-Side Technologies:** Node.js, Express.JS

**Database:** PostgreSQL, MongoDB

**Additional Skills:** MS excel, PowerPoint Presentation, JIRA (familiar)

## PROJECTS

### AI PDF READER: (Full Stack)

March, 2025

- Built an AI-powered PDF reader using **Next.js 14, Tailwind CSS, Convex, and Clerk**, enabling users to upload PDFs and chat with documents using natural language.
- Integrated **LangChain and Gemini API** to load documents, perform text splitting, create vector embeddings, and run semantic search to generate AI-based responses.
- Implemented secure user authentication with **Clerk** (OAuth + email/password) and real-time database handling using Convex for persistent PDF storage and feedback.
- Designed a responsive dashboard layout with file upload and text editor components for enhanced interactivity.
- Tech Stack: **Next.js 14, Tailwind CSS, Convex, Clerk, LangChain, Gemini API, Vercel**

### QUICKSUM: (Full Stack)

April, 2025

- Built an AI-powered text summarization web app using Next.js 15, Tailwind CSS, Firebase, and Gemini AI to instantly convert long text into clear, concise summaries.
- Integrated Gemini API to process and summarize user-inputted content with high accuracy using LLM capabilities.
- Implemented Firebase Auth for secure user login, Firestore for user history tracking, and dynamic routes via Next.js App Router.
- Added features like copy-to-clipboard, delete summaries, and a user dashboard to manage past summaries efficiently.
- Deployed the fully responsive application on Vercel for optimized performance and real-time access.
- Tech Stack: **Next.js 15, Tailwind CSS, Firebase (Auth + Firestore), Gemini AI, Vercel**

## MANAGEMENT EXPERIENCE

### FINE ARTS CLUB: Senior Core Member, Event Coordinator

Fine Arts Club, VIT Bhopal | Feb 2022

- Spearheaded the **craft drama organization** and managed logistics, schedules, and multi-departmental coordination to ensure successful events during AdvITYa 2022 Techno Cultural Fest
- Supervised team efforts for smooth execution, handled on-ground issues, and conducted project analysis for continuous improvement in event quality.

## EXTRA-CURRICULAR AND ACHIVEMENTS

- Distinguished participation in ECE Core lab experiments and Project Exhibition, showcasing two innovative projects.
- Engaged in a 10-day experiential learning visit at Pune, Bangalore, Chennai that provided hands-on experience of daily industrial operations.