

# Jinish Kathiriya

Full Stack Developer | GenAI & Backend Specialist

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## EDUCATION

### C.K. Pithawala College of Engineering & Technology

Bachelor of Engineering in Computer Engineering

Surat, Gujarat

Aug. 2022 – Present

## EXPERIENCE

### GenAI Developer Intern

June 2025 – Aug. 2025

Abrossit

Surat, Gujarat

- Developed backend APIs for GenAI speech services using Node.js, Express, and Google Speech-to-Text.
- Integrated Gemini AI for text summarization, optimizing API response time by 20% for faster user interaction.
- Implemented prompt engineering pipelines and structured API responses to ensure seamless data flow to the mobile application.
- Collaborated with the frontend team to define API schemas, reducing integration bugs by 30%.

### Technical Head

2024 – 2025

Google Developer Group (GDG) on Campus

CKPCET

- Spearheaded technical workshops on Cyber Security and AI integration, mentoring 250+ students.
- Managed technical resource allocation for hackathons and led a team of 10 student developers.

## TECHNICAL SKILLS

**Backend & Mobile (Expert):** Node.js, Express.js, Flutter (Dart), RESTful APIs, MongoDB, MySQL, Supabase

**AI & Data Science:** Gemini/OpenAI API Integration, Python, Scikit-learn, NLP, RAG

**DevOps & Security:** Docker, Git/GitHub, Postman, Linux, Cyber Security Fundamentals, JWT Auth, RLS

**Languages:** JavaScript (ES6+), Dart, Python, Java, SQL, TypeScript

## PROJECTS

### TalkNotes | Node.js, Express, MongoDB, Google STT, Gemini AI

Jan 2025 – Present

- Architected a full-stack voice-note app using Node.js and MongoDB to transcribe and summarize audio.
- Integrated Gemini AI and Google Speech-to-Text APIs with retry mechanisms to handle API limits.
- Secured user data using JWT authentication and encrypted storage for privacy.
- Deployed the backend on a scalable Node.js environment, optimizing for concurrent audio stream processing.

### Secure Student Activity Portal | Supabase, PostgreSQL, TypeScript, Expo, RLS

Nov 2025 – Dec 2025

- Developed a centralized submission portal using Supabase (BaaS) and Expo (TypeScript).
- Implemented Row Level Security (RLS) policies to enforce strict Role-Based Access Control (RBAC).
- Engineered a complete end-to-end approval workflow connecting Students, Faculty, and Admins.
- Utilized real-time subscriptions to enable instant status updates for users without page reloads.

### Personal AI Assistant (Local RAG) | Python, LangChain, VectorDB, Ollama

Oct 2025 – Present

- Engineered a privacy-focused AI assistant optimized to run on 8GB RAM using quantized local LLMs.
- Implemented Retrieval-Augmented Generation (RAG) with a custom memory architecture.
- Optimized context retrieval using a local Vector Database, enabling sub-second access without internet.
- Integrated a web-search agent allowing the assistant to fetch and synthesize real-time data from the internet.

## CERTIFICATIONS

**Machine Learning Specialization:** Stanford University / DeepLearning.AI (Andrew Ng)

**Foundations of Cybersecurity:** Google Career Certificates

**SAP Technology Certification:** Artificial Intelligence & Conversational AI Chatbot Track