

GAUTAM PRAJAPAT

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Education

Chandigarh University

Bachelor of Engineering in Computer Science

Aug 2023 – Present

CGPA: 8.54/10

Shree Raghunath senior Secondary School

Class 12th RBSE

April 2021 - May 2022

89%

Experience

Web Development Intern

Calyirex Technology

June 2025 – July 2025

Hyderabad, India

- Developed an AI-powered WhatsApp Chat Analyzer using advanced NLP techniques, **FastAPI**, **PostgreSQL**.
- Implemented semantic search capabilities using **vector embeddings** and similarity algorithms to enable contextual message discovery across conversation histories.
- Built keyword search functionality with **PostgreSQL full-text search**, supporting real-time message filtering and participant-specific query optimization.
- Designed AI-powered chat analysis features including **sentiment analysis**, interaction patterns, and conversation insights using machine learning models for automated report generation.
- Optimized bulk data processing pipeline handling **10,000+ messages per chat upload** with calculated participant statistics, character counts, and message categorization for comprehensive analytics.
- Deployed application using **Docker containers** on cloud platforms with automated CI/CD pipeline and environment-based configuration management.

Projects

ClipSync | ReactJS, WebSocket, Redis | [Live](#)

Oct 2024

- Built real-time file sharing platform and online clipboard with **WebSocket** connections and **Redis caching**.
- Implemented session-based file transfer with **95% success rate** and automatic retry mechanisms.
- Added cross-device synchronization with unique session IDs and temporary file storage for **24-hour access**.

VibeVault Music Platform | Next.js, Node.js, PostgreSQL, Redis | [Live](#)

Feb 2025

- Developed collaborative music platform handling **20+ concurrent users** with 200ms WebSocket latency.
- Integrated Spotify/YouTube APIs with **JWT authentication** and **Redis caching** for playlist synchronization.
- Built voting system for track selection with real-time user interaction and queue management features.

CU Login Automation Extension | JavaScript, Tesseract.js, Chrome APIs | [Live](#)

Dec 2024

- Created Chrome extension automating university portal login with **OCR-based CAPTCHA solving**.
- Achieved **85% login success rate** with encrypted credential storage and automated form filling.
- Implemented DOM parsing for dynamic form detection and background script for seamless user authentication.

Technical Skills

Languages: C/C++, JavaScript, TypeScript, Python, Java

Frameworks: React.js, Node.js, Express.js, FastAPI, Next.js, LangChain

Developer Tools: Git, Docker, VS Code, Postman, Chrome DevTools, Linux

Technologies/Databases: MongoDB, PostgreSQL, Redis, Azure, Vercel, Railway

Concepts: RESTful APIs, WebSocket, Microservices, Agile, Database Design, AI Integration

Achievements

- Placed as second runner-up among 800+ teams in the **Tutedude** 48-hour Web Development Hackathon, showcasing rapid full-stack prototyping skills.
- Competed in 15+ national and university hackathons, leading cross-disciplinary teams to prototype full-stack products within 24–48 hours
- Co-founded Delbees package delivery platform with university peers, scaling to **1000+ active users** and facilitating campus-wide logistics solutions.