

TEJAS EKLARE

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PROFESSIONAL SUMMARY

Third-year Computer Engineering student with hands-on experience building full-stack web applications, IoT systems, and AI-powered tools. Proficient in Python, JavaScript, and C++, with practical exposure to REST APIs, LLMs (Gemini, LLaMA), and cloud deployment. Proven ability to ship end-to-end projects independently, from hardware integration to responsive web UI. Seeking internship or collaborative opportunities in software development, AI/ML, or embedded systems.

EDUCATION

Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology Sept 2024 – June 2028
Bachelor of Technology in Computer Engineering | CGPA: 8.65 / 10.0
Pune, Maharashtra

EXPERIENCE

Full-Stack & Embedded Systems Developer | Independent / Self-Directed Projects Aug 2024 – Present
Pune, India

- Built and deployed 10+ web applications including event websites, multilingual platforms, and voice-enabled apps using HTML/CSS, JavaScript, Node.js, and Firebase
- Developed an AI voice assistant on ESP32 hardware integrating speech recognition, Gemini API response generation, and I2S digital audio — reducing round-trip latency to under 2 seconds
- Designed and shipped an AI-powered multi-agent exam planning system handling personalized study schedules for multiple subjects, with Groq/LLaMA integration for adaptive recommendations
- Explored ML fundamentals and LLM APIs (Gemini, LLaMA, Groq), running local models via Ollama and LM Studio for experimentation and prototyping

PROJECTS

Intelligent Multi-Agent AI Exam Planner | Python, Streamlit, Groq API, LLaMA, SQLite 2026

- Built a multi-agent AI system generating personalized, multi-subject study schedules with adaptive strategy updates based on real-time progress tracking stored in SQLite
- Designed an interactive Streamlit dashboard with study analytics, progress visualization, and subject-wise learning plans — reducing manual planning effort significantly
- Integrated Groq API with LLaMA models to deliver automated topic explanations and intelligent academic recommendations

Voice Assistant using ESP32 | C++ (ArduinoIDE), ESP32, Flask, Gemini API, IoT 2025

- Designed a cloud-connected AI voice assistant on ESP32 with real-time voice input, AI response generation via Gemini API, and audio playback
- Implemented I2S digital audio pipeline using INMP441 microphone and MAX98357A amplifier, achieving reliable voice interaction in noisy environments
- Architected Flask backend to handle STT, Gemini inference, and TTS, enabling end-to-end voice communication with under 2s response time

Bhasha Kisan – Multilingual AI Chatbot for Farmers | Python, JavaScript, NLP 2025

- Developed a multilingual NLP chatbot helping rural farmers access crop selection, fertilizer, and weather guidance — targeting communities with low digital literacy
- Focused on accessibility and language inclusivity to extend reach beyond English-speaking users

Voice Notes Web Application | HTML, CSS, JavaScript, Web Audio API 2024

- Built a browser-based app enabling users to record, store, and manage voice notes using Web Audio APIs, with a clean and accessible UI

E-Cell Website | HTML, CSS, JavaScript 2025

- Developed and maintained the official website for the college Entrepreneurship Cell, increasing digital visibility for events, startup activities, and announcements

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, HTML/CSS, Embedded C

Frameworks & Libraries: Streamlit, React, Node.js, Flask, Firebase

AI / ML Tools: Gemini API, Groq API, LLaMA Models, Ollama, LM Studio

Developer Tools: Git/GitHub, VS Code, Arduino IDE, Android Studio, JetBrains IDEs

Platforms & Cloud: Linux (Ubuntu, Kali), Vercel, Netlify, Cloudflare, Google Play Console, ESP32/IoT

ACHIEVEMENTS & LEADERSHIP

- Secretary, CESA (Computer Engineering Student Association) — led technical events and coordinated 100+ student members
- 1st Place, ThinkBiz 2025 Business Quiz Competition — organized by Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology
- Won multiple technical and project competitions during first two years of engineering
- Active participant in college hackathons, innovation exhibitions, and project showcases