

# HARSHIT SONI

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## Professional Summary

Computer Science student at IIIT Vadodara with experience in developing AI-driven applications, automation systems, and backend services. Actively contributed to organizing hackathons, competitive programming contests, and technical workshops as a member of the **Technical Committee**. Demonstrated strong communication and leadership skills through service as **Literary Club** Secretary and as an event host, bringing confident stage presence and coordination abilities.

## Education

**Indian Institute of Information Technology Vadodara**

**2022 – 2026**

*B.Tech (Computer Science and Engineering)*

## Experience

### AI Tutor

**September 2025 – Present**

*Trigrexam*

*Remote*

- Delivered 12+ online seminars and workshops to 15+ Trigrexam web developers on integrating AI into web applications.
- Taught API integration, AI model deployment, and workflow automation concepts using real-world examples.
- Mentored developers to build AI-powered features including chatbots, summarizers, and smart search on live projects.

### Project Intern

**May 2025 – July 2025**

*Acxiom Technologies*

*Hybrid*

- Built a system where users can upload PDFs and chat with an AI assistant that answers questions based only on the document content.
- Used LangChain and ChromaDB to handle document processing and enable accurate, context-based responses.
- Deployed the solution with a FastAPI backend and added basic analytics to track user queries and usage.

## Technical Skills

- **Programming Languages:** Python, JavaScript, C++, SQL.
- **AI & Machine Learning:** PyTorch, TensorFlow, LangChain, Hugging Face, ChromaDB, OpenCV, Scikit-learn.
- **Web Technologies:** Next.js, React, Node.js, FastAPI, WebSockets, WebRTC, REST APIs.
- **Tools & Databases:** MongoDB, MySQL, Git, AWS, Google Cloud.

## Projects

**WAuto: WABA Automation Platform** | *FastAPI, JavaScript, Cloud API, MCP* 🌐 | 📺 [Demo video](#) **September 2025**

- Built a WhatsApp automation backend using FastAPI with webhook-based handling of live customer conversations.
- Integrated Google Calendar and Meet workflows to automatically schedule meetings and generate event links without manual steps.

**Voice Agent: Smart AI assistant** | *React.js, FastAPI, LangChain, ChromaDB, MCP* 🌐 | 📺 [Live Demo](#) **January 2025**

- Built two AI chat models: a task-focused agent powered by MCP servers and a friendly conversational model using LangChain and ChromaDB.
- Designed a context and memory system that helps the assistant understand ongoing conversations and respond more accurately across sessions.

**Speech Synthesis: Neural Voice Cloning System** | *Tacotron 2, HiFi-GAN, Gradio* 🌐 | 📺 [Live Demo](#) **December 2024**

- Built a complete speech-synthesis pipeline combining Tacotron 2 and HiFi-GAN to clone a custom voice using a self-recorded dataset.
- Enhanced audio quality by improving spectrogram generation and fine-tuning prosody for more natural speech output.

## Technical Achievements and Certifications

- Earned 25 badges and 6 trophies on **Microsoft Learn**, including **Azure AI Fundamentals: Computer Vision, Generative AI, and NLP**. [Profile](#)
- Completed 8 hours **NVIDIA Deep Learning Fundamentals** course, mastering neural networks, CNNs, and model optimization. [Certificate](#)
- Achieved **4-Star** rating on **CodeChef** with **Current rating: 1885**. [Profile](#)
- Secured **3rd place** among 200+ participants in **Code Voyage 2024** (Inter-IIIT Coding Contest) by solving DP and graph theory problems. [Certificate](#)