

# NIHAR SHAH

Student

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## PROFESSIONAL SUMMARY

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Computer Science undergraduate with hands on experience in AI voice assistants, conversational AI systems, and automation workflows for healthcare. Skilled in prompt engineering, vibe coding, computer vision applications, and rapid prototyping of AI driven products. Strong problem solving mindset with exposure to cybersecurity, system design, and real world AI deployments.

## WEBSITES, PORTFOLIOS, PROFILES

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- GitHub: [github.com/nihar5hah](https://github.com/nihar5hah)
  - LinkedIn: [linkedin.com/in/niharshah0405/](https://www.linkedin.com/in/niharshah0405/)

## SKILLS

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- AI & Automation
    - AI Voice Assistants (Healthcare Call Automation)
    - Prompt Engineering (LLMs, Voice Agents, Structured Prompts)
    - Conversational AI Design & Flow Optimization
    - Vibe Coding (Rapid AI assisted development & prototyping)
    - Model Evaluation, Metrics Pruning & Scenario Testing
  - Programming & Scripting
    - Python (Basic–Intermediate) , C / C++ , JavaScript (Node.js basics)
    - Bash / Shell scripting
  - AI / ML / CV
    - Face Recognition Systems (Attendance Automation)
    - Computer Vision (OpenCV, face detection & recognition)
    - Emotion & Gender Detection (model integration level)
    - NLP Fundamentals (intent classification, entity handling)
  - Databases & Backend
    - Supabase (PostgreSQL, Auth, Storage)
    - JSON based configuration systems , REST APIs & Webhooks
  - Systems & DevOps
    - Linux (CLI, SSH, process management) , Docker (basic usage)
    - Embedded/Edge AI (Jetson Nano) , Hackintosh setup & troubleshooting
  - Tools & Platforms
    - Git & GitHub (version control, collaboration)
    - Retell, Vocera (AI call handling platforms)
    - Figma (UI/UX prototyping)
  - Cybersecurity
    - Ethical Hacking fundamentals
    - Penetration Testing concepts & Vulnerability Assessment basics
    - Networking fundamentals
  - Soft Skills
    - Rapid learning & self driven execution
    - Technical documentation & explanation
    - Debugging & problem solving mindset

## INTERNSHIP EXPERIENCE

Product Intern (AI Voice Assistants) | [Confido Health](#)

Remote | May 2025 – Present

- Working on the development and optimization of AI voice assistants for healthcare clinics
- Improved natural language understanding and conversational flows for patient interactions
- Assisted in refining ML models and prompt logic to improve call accuracy and task completion
- Collaborated with product and engineering teams to test, evaluate, and iterate AI call workflows
- Gained hands on experience with AI systems, prompt engineering, and healthcare use cases

Intern | [Crest Data Systems](#)

Ahmedabad, India | Jun 2023 – Jul 2023

- Assisted in software development and data related tasks under senior engineers
- Gained exposure to real world development workflows and corporate engineering practices
- Worked with basic scripting, debugging, and documentation tasks

## PROJECTS

[FaceAttend](#) – AI Facial Recognition Attendance System

- Designed and developed an automated attendance system using computer vision and facial recognition techniques
- Implemented real time multi face detection and recognition for classroom scale environments
- Integrated Supabase (PostgreSQL, authentication, and storage) for secure and scalable data management
- Optimized recognition accuracy and system performance through testing and tuning

Healthcare AI Voice Assistant & Prompt Generator (Confido Health)

- Designed and optimized conversational AI systems for automated clinic call handling across multiple healthcare locations
- Built a dynamic prompt generation system to create location specific AI voice agent configurations at scale
- Designed structured JSON based templates with configurable prompt blocks and metadata
- Automated injection of clinic parameters including hours, procedures, call routing, and webhook integrations
- Evaluated call scenarios and pruned non critical metrics to improve real world call accuracy and task completion
- Collaborated with product and engineering teams to test, iterate, and standardize conversational workflows

## EDUCATION

*Udgam School For Children*

**Bachelor of Technology: Computer Science**

*Charotar University of Science And Technology (Expected 05/2027)*

## INTERESTS

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- Artificial Intelligence & Machine Learning
  - Cybersecurity & Ethical Hacking
  - Computer Vision & Image Processing

## LANGUAGES

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English

Gujarati

Hindi