

# Kevalya Tejas Shah

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## EDUCATION

**Bachelor's in Technology (Computer Science and Engineering)** 2022 - 2026

NIT Surat, Gujarat, India

- *Related coursework:* Programming, Data Structures and Algorithms, System Software, AI/ML

**High School Studies (CBSE)** 2020-2022

GEMS New Millennium School, Dubai, UAE

## EXPERIENCE

**Intelehealth (AI Intern)**

May 2025 – July 2025

Remote

- Researched and evaluated multiple AI models for **STT and translation**, contributing to the team's knowledge of state-of-the-art technologies
- Explored and processed **over 100 audio/video files** into standardized formats for AI model training, showcasing data handling and preparation skills
- Fine-tuned Speech-to-Text (STT) models, potentially **achieving a 5-10% improvement** in transcription accuracy, demonstrating practical experience in model optimization

**Kellogg Brown and Root (Software Developer Intern)**

May 2024 – July 2024

Pune, India

- Led Python program development for data extraction with **30% time reduction**
- Applied AI to evaluate model performance and optimized ML model for new data formats achieving **15-20% accuracy improvement**
- Presented findings on curve tracing with **12% prediction accuracy gain**

## PROJECTS

**Google Winter of Code (GWOC): Mudberry Studio**

HTML, TailwindCSS, JavaScript

- Designed and implemented HTML/website features, resulting in top recognition and a **30% higher user engagement rate**
- Engineered a front-end platform with JavaScript and partial back-end integration, achieving a **40% boost in UI responsiveness**
- Collaborated in a cross-functional team, mirroring professional Agile workflows

**EcoBin**

AI/ML & Embedded System (Python, Raspberry Pi, KNN Classifier)

- Engineered a smart waste-segregation system using a **Raspberry Pi 3 B+ and machine-learning** (k-Nearest Neighbors) to automatically classify recyclable vs. organic waste
- Developed modules for **image capture, model classification, and servo/motor control** to physically sort waste items — integrating software with hardware components (camera, servos)
- Teamed up with 3 peers to design an ML-driven prototype for automated waste sorting

## ACCOLADES

- Led and showcased inter-school winning project, Fonibility (robotics initiative for people in need) at **EXPO 2020 Dubai**
- Secured **runner-up** in 'Suit-Up' at Mindbend (NIT Surat)

## TECHNICAL SKILLS

- **Competitive Coding:** Leetcode rank - 923,963
- **Coding:** Python, C, C++, Java
- **Middleware Technologies:** Data Structures and Algorithms, System Software, Computer Organization
- **Database Management:** SQL, PL/SQL, MongoDB
- **Web Technologies:** HTML, CSS, Tailwind CSS, JavaScript, MERN stack, ReactJS, NextJS