

NILANCHAL JENA

Information Technology Student — A.P. Shah Institute of Technology

Kalyan, Maharashtra, India | +91 9324565609 | nilanchaljena2702@gmail.com | nilanchaljena.me | [GitHub](#) | [LinkedIn](#)

PROFESSIONAL SUMMARY

Quick learner and adapter who picks up whatever a problem requires to solve it — focused on turning that curiosity into working, deployed software rather than stopping at theory.

TECHNICAL SKILLS

Languages: Java, C, Python, JavaScript

Frontend: HTML, CSS, React

Core Concepts: HTTP Request-Response Cycle, RESTful basics, OOP

Tools: Git, GitHub

PROJECTS

SpeakUp — CS50x Final Project • [GitHub](#)

Python, Flask, Groq (Whisper & Llama 3.3), HTML/CSS/JavaScript

- Built an AI-powered communication-skills trainer that evaluates spoken responses across six parameters (clarity, relevance, fluency, grammar, confidence, structure), using Groq Whisper large-v3 for transcription and Groq Llama 3.3 70B for structured evaluation.
- Combined deterministic Python analysis (filler-word detection, speaking-pace/WPM calculation) with LLM scoring to keep evaluations consistent, and added prompt-injection safeguards around user transcripts.
- Deployed the full-stack Flask app on Render with Gunicorn, supporting live browser recording and file upload across 15 speaking scenarios in 3 categories.

FinHabits — Google Solution Challenge 2026

React, Cloud-hosted Backend

- Built an AI-powered personal finance web application for Google Solution Challenge 2026, pairing a React front end with a cloud-hosted backend.
- Designed an automated pipeline to parse transaction SMS messages and categorize expenses without manual entry.

EDUCATION

A. P. Shah Institute of Technology — Mumbai University

Bachelor of Engineering (B.E.) in Information Technology | Expected Graduation: 2029

CGPA: 8.29 / 10 (Semester 2)

SSC: 96.6% | HSC: 78% | MHT-CET: 91st Percentile

CERTIFICATIONS

CS50x: Introduction to Computer Science — Harvard University (May 2026)

Frontend Developer & Full Stack Developer Paths — Scrimba (June 2026)