SHARMISTA JANAPATI

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PROFESSIONAL SUMMARY

Frontend-focused software engineering student with hands-on experience building responsive, user-facing interfaces using HTML, CSS, and JavaScript. Author of 5 public GitHub projects spanning college websites, Chrome extensions, and AI-powered web tools. Active hackathon participant with exposure Eager to contribute to real product features and grow within a collaborative engineering team.

EDUCATION

Talla Padmavathi College of Engineering
Expected April 2028
Bachelor of Technology, Computer Science Engineering
GPA: 7.8/10.0
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer Architecture, Web Technologies

TECHNICAL SKILLS

Frontend: HTML5, CSS3, JavaScript (ES6+), React.js (learning), Responsive Design
Backend: Python, Django, REST API Integration
Tools: Git & GitHub, VS Code, PyCharm, Jupyter Notebook
Databases: MySQL
AI / ML: NLTK, Pandas, NumPy, Google Gemini API, librosa, noisereduce, PyTorch (CUDA)

PROJECTS

Telugu Voice Cloning Pipeline (IndicF5) Python, yt-dlp, librosa, noisereduce, Transformers, CUDA
2026

- Built an end-to-end voice cloning pipeline using AI4Bharat's IndicF5 (0.4B parameter multilingual TTS model), automating audio sourcing from YouTube through final inference on GPU via Google Colab.
- Engineered a preprocessing pipeline in Python to download, clean, and segment raw Telugu audio using yt-dlp, librosa, and noisereduce; applied RMS-based energy filtering to select optimal reference segments.
- Resolved version compatibility issues between transformers 5.0 and IndicF5's meta tensor initialization, enabling stable CUDA deployment.
- Generated natural-sounding Telugu speech in a target speaker's voice from text input using reference-based voice cloning.

Personal Portfolio HTML, CSS, JavaScript
2026

- Designed and built a fully responsive personal portfolio website showcasing projects, skills, and contact information.
- Applied CSS animations, mobile-first layout principles, and semantic HTML best practices.

Automated Event Coordination System HTML, CSS, JavaScript, Django

2026

- Built a frontend interface for managing and coordinating events, featuring form-driven UI and dynamic content rendering.
- Focused on clean component structure, reusable layouts, and intuitive user interactions.

HACKATHONS & CERTIFICATIONS

- Google Chrome Built-in AI Challenge (2025) — Global hackathon — built VisioExplain using Chrome's built-in AI APIs
- Descope Global MCP Hackathon (2025) — Global-level hackathon participation
- NxtWave × OpenAI Buildathon (2025) — State-level hackathon
- Google Girl Hackathon (2025) — National-level competitive hackathon
- Scaler YIIC Program (2024) — AI-focused training with hands-on project work