

SUHANI VERMA

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EDUCATION

Galgotias University B.Tech Computer Science and Engineering	2022 – 2026 Greater Noida
St. Fidelis School Senior Secondary Education	2021 Lucknow

EXPERIENCE

Celebal Technologies Data Engineering Intern	May – Jul 2025 Remote
- Developed a text-based emotion detection system using Python and scikit-learn, achieving high accuracy in classifying six emotions (Joy, Sadness, Anger, Fear, Love, Surprise). - Applied advanced NLP preprocessing (text cleaning, contractions handling, and TF-IDF vectorization with n-grams) to enhance model performance.	
Infosys DS and AI Intern	Oct – Dec 2024 Remote
- Developed a multilingual speech-to-speech video translation web application using Flask, Whisper, Google Generative AI, gTTS, MoviePy, and pydub to translate videos into 12 languages. - Implemented an end-to-end speech-to-speech translation pipeline using Whisper for speech recognition, Google Generative AI for translation, gTTS for speech synthesis, and MoviePy for video processing.	

PROJECTS

DocAssist Node.js, Express.js, PostgreSQL, PGVector, Google Gemini API	Jul 2026
- Developed a RAG application for PDF-based question answering using PGVector and Google Gemini API. - Implemented document chunking, vector embeddings, semantic retrieval, and RESTful APIs with Express.js.	
Sketches Next.js (React, TypeScript), Tailwind CSS, Node.js, Express.js, WebSocket, PostgreSQL	April 2026
- Built a full-stack real-time collaborative whiteboard using WebSockets and Next.js, enabling multiple users to draw and sync shapes (pencil, rectangle, circle) live in shared rooms. - Designed a scalable monorepo architecture with shared TypeScript packages (UI, DB, common types), implementing JWT-based authentication, Prisma ORM, and modular front- and back-ends.	
Multi-LingualStream Python, Flask, Whisper, Google AI, MoviePy	Oct 2024 – Jan 2025
Used LangChain framework for building large language models; integrated Whisper for automatic speech recognition (ASR), enabling speech-to-speech streaming across 12 languages via ASR, machine translation, and TTS.	

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, Typescript, SQL, RawSQL
Backend & APIs: Node.js, Express, Flask, JWT, REST APIs
Databases: MongoDB, MySQL, Mongoose
Web Technologies: HTML5, CSS3, React, Tailwind CSS
DevOps: Docker, AWS, CI/CD Pipelines
Developer Tools: VS Code, Git

ACHIEVEMENTS

Top 1% performer in the NPTEL Software Engineering examination.
IIT-BHU DPBH : Achieved Runner-Up position, outperforming over 600+ participants from across India.
Myntra HackerRamp : Ranked amongst top 500 with participation of over 29,643 developers.

CERTIFICATIONS

HarvardX – Computer Science for Artificial Intelligence
Meta – Full Stack Developer: Front-End & Back-End
Adobe – Graphic Designer: Design that Demands Attention