

Shreya Goyal

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EDUCATION

VIT Bhopal University

B.Tech., Computer Science & Engineering (AI/ML)
CGPA: **9.36 / 10**

Bhopal, MP
2023 – 2027

Kantabanji Lions Public School

Senior Secondary (Class XII)
Secondary (Class X)

Kantabanji, OD
2023 74.2%
2021 90.2%

TECHNICAL SKILLS

Languages: C++, Python, TypeScript, JavaScript (ES6+), HTML5, CSS3

Frameworks and Libraries: React, Next.js 16, Tailwind CSS, TensorFlow/Keras, Scikit-learn, librosa, FastAPI, Flask

Databases and Cloud: PostgreSQL (Supabase), AWS, Vercel, Railway, Render **Tools:** Git, GitHub, VS Code, REST APIs, WebSocket

CS Fundamentals: DSA, OOP, DBMS, Operating Systems, Computer Networks, TOC

PROJECTS

Hookify | Next.js 16, TypeScript, Python, FastAPI, Supabase, librosa, Vercel | hookify-app-chi.vercel.app Mar-May 2026

- Built a production-deployed full-stack TikTok-style music web app with 6 modules (feed, search, playlists, trending, profile, admin); live at hookify-app-chi.vercel.app with 76 commits across frontend and AI server.
- Engineered a custom AI hook-detection algorithm from scratch using librosa (RMS energy, chroma self-similarity, spectral centroid, onset strength); deployed as a FastAPI microservice on Railway – no pre-trained models used.
- Implemented Supabase PostgreSQL with row-level security for auth, saves, playlists, and play history; integrated Google OAuth and public shareable hook pages requiring zero login.

SupplyLens | React 18, Node.js, Python, Flask, Scikit-learn, TensorFlow, Supabase | supplylens-frontend.onrender.com May-June 2026

- Built a real-time cold-chain IoT anomaly detection dashboard with 3-service microservice architecture (React + Node.js + Python ML); deployed on Render and Railway with live WebSocket streaming.
- Engineered Isolation Forest pipeline on 10K+ simulated sensor readings achieving 96% anomaly detection accuracy; integrated LSTM forecasting to predict temperature breaches 18+ minutes in advance.
- Designed 9 REST and WebSocket API endpoints across backend services; used Supabase PostgreSQL for sensor storage and alert history with schema-first design.

Where-Is-My-Faculty | HTML5, CSS3, Tailwind CSS, JavaScript | github.com/Shansit007/Where-is-My-Faculty Aug – Sep 2024

- Sole frontend developer for a full-stack academic web app enabling students to locate faculty in real time; delivered complete responsive UI using Tailwind CSS with full cross-browser compatibility.
- Collaborated with backend team via Git (feature branching, pull requests) to define and integrate REST API contracts across all core features.

EXPERIENCE

Web Development Intern

InAmigos Foundation | Remote

- Developed web features aligned with the organisation's digital-outreach mandate; delivered all assigned tasks within the 2-week timeline in a remote agile workflow.

May 2026

2-Week | Completed

CERTIFICATIONS

AWS Certification Course | Intellipaat

Sep 2025

NPTEL – Introduction to Internet of Things, Elite (76%) | IIT Kharagpur via SWAYAM

Jan–Apr 2026

NPTEL – Cloud Computing | IIT Kharagpur via SWAYAM

Jan–Apr 2025

Applied Machine Learning in Python | University of Michigan, Coursera

Dec 2025

Software Engineering Job Simulation | Quantum via Forage

May 2026

Intro to Software Engineering Job Simulation | Commonwealth Bank via Forage

May 2026

Advanced SQL | Boss Coder Academy · **MATLAB Onramp** | MathWorks

2023–2025

ACHIEVEMENTS AND EXTRACURRICULARS

Class Representative for DSA, CN, DBMS, and TOC – coordinated academic communication for a 60-student cohort.

Competitions (8+, Participation): Caterpillar Autonomy Challenge, Embedded Programming Challenge, Quantathon, CP Potpourri, Chanakyaneeti (IIT Madras Shastra 2024); Anadigix, Enigma, Kshitij Kascade (IIT Kharagpur Kshitij 2024); GeekCraft by GeeksForGeeks; EY Techathon 4.0.

Art: YouTube art channel – 2.5k+ subscribers | 1st Prize, State-Level Slogan Competition (2019).