

Sanyam Sharma

+91 8219552796 | sanyamsharma1271@gmail.com | [linkedin.com/in/sanyam-sharma-cse](https://www.linkedin.com/in/sanyam-sharma-cse) | github.com/ssnym

ABOUT

Final-year CS student (graduating May 2026) specializing in ML/DL, with hands-on research experience at IIT Hyderabad and IIT Mandi in deep learning, audio processing, and edge computing. Seeking full-time ML/AI engineering roles.

WORK EXPERIENCE

Indian Institute of Technology, Hyderabad

Intern

Hyderabad, Telangana

Jan 2026 – Present

- Working at NetX Lab @ IIT Hyderabad

Indian Institute of Technology, Mandi

Summer Intern

Mandi, Himachal Pradesh

Jun 2025 – Jul 2025

- Extracted features from audio data using MFCC and HF pretrained models (wav2vec2.0, wav2vec2-phoneme)
- Implemented Conformer-based deep learning model in PyTorch for spoken language identification
- Achieved up to 79% accuracy on unseen language identification data
- Developed a PyQt6 desktop GUI and integrated pretrained models for spoofed speech detection

Indian Institute of Technology, Mandi

Research Intern

Mandi, Himachal Pradesh

Jun 2024 – Jun 2024

- Set up real-time data pipeline using Telegraf and InfluxDB to collect and store sensor data from an ESP32 via MQTT.
- Deployed the system on a Raspberry Pi using Docker and Docker Compose for real-time data processing.

EDUCATION

Jawaharlal Nehru Government Engineering College

B.Tech - CSE (AI & ML)

Mandi, Himachal Pradesh

2022 – 2026

Key Courses: Data Structure and Algorithm, Machine Learning, Artificial Intelligence, Deep Learning, Cloud Computing, Generative AI

Government Senior Secondary School, Kangoo

Senior Secondary (Non-Medical)

Hamirpur, Himachal Pradesh

2022

PROJECTS

AI-Powered Assistive Vision for Blind People | Major Project

Aug 2025 – Dec 2025

Tech Stack: gTTS, FaceNet, Gemini-API, pytesseract, RaspberryPi

- Developed an AI-powered assistive vision smart cap for blind person using Raspberry Pi, camera, LiDAR and audio module
- Implemented OCR-based text recognition to read printed and convert it into real time audio output
- Integrated obstacle detection with audio-based navigation for safe mobility

Extension for malicious QR code and URL detection | Capstone Project

Jan 2025 – May 2025

Tech Stack: Python, Flask, Scikit-Learn, JavaScript

- Extracted and engineered features from large scale malicious and legitimate URL/QR dataset
- Built a stacked ensemble ML model (5 base + meta-classifier), achieving 91.3% accuracy
- Developed Chrome extension with Flask backend for model inference

SpoofedSpeechGUI | Github

Tech Stack: Python, PyQt6, PyTorch, Librosa

- Extracted features from the raw audio using Librosa
- Applied pre-trained AASIST and RawNet models for spoofed audio detection
- Developed a PyQt6 desktop GUI application and containerized with Docker

TECHNICAL SKILLS

Languages: Python, C++, SQL, HTML, CSS

Libraries: PyTorch, Scikit-learn, Tensorflow (Keras), Numpy, Pandas, Fast-API, Flask

Developer Tools: Ollama, Docker, Postman, Git, GitHub, Linux

PUBLICATIONS

- HybridStack-MLP: Advanced Ensemble Learning for Malicious QR Code and URL Detection** 2025
AI-Powered Ensemble model achieved 91.3% accuracy in detecting malicious QR codes and phishing URLs

HONORS AND AWARDS

- State Level Smart Hackathon** 2025
Secured 1st position at SLSH Hackathon all over Himachal Pradesh
- Smart India Hackathon** 2025, 2024
Secured 1st position twice in college-level SIH competition