

Sharon Shaji

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EDUCATION

Maharishi Dayanand University

Bachelor of Technology in Computer Science Engineering

- Actively pursuing core computer science curriculum with applied project experience.

Rohtak, Haryana

August 2023 – Present

Rabindranath World School

12th Grade (Non-Medical)

- Percentage: 76%

Gurgaon, Haryana

April 2020 – March 2021

Rabindranath World School

10th Grade

- Percentage: 73%

Gurgaon, Haryana

April 2022 – March 2023

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Object-Oriented Programming
- Operating Systems
- Database Management Systems
- Computer Networks
- Software Engineering
- Web Development

PROJECTS

LearnChain – Decentralized Learning Platform | *Flask, React, Solidity, PostgreSQL*

April 2025

- Built a decentralized education platform where educators publish courses and students earn blockchain-verified certificates.
- Implemented Web3 authentication using MetaMask with role-based access for educators and students.
- Integrated Solidity smart contracts to manage course ownership, enrollments, and NFT certificate minting.
- Used IPFS for decentralized course content storage and LRN utility token for platform transactions.
- Designed responsive frontend with React and managed backend logic and data storage with Flask and PostgreSQL.

SkillLink – Esports Talent Platform | *FastAPI, Python, PostgreSQL, JWT, REST API*

June 2025

- Built a backend platform connecting esports players with organizations for gigs, endorsements, and skill verifications.
- Implemented token-based authentication, player/org registration, and secure session management using JWT.
- Integrated external APIs (Tracker.gg, OpenDota) to verify real-time stats of players for reputation building.
- Simulated soulbound NFT endorsements to reflect in-game credibility and prevent fraudulent boosting.
- Designed modular FastAPI architecture with clean route separation, schema validation, and service abstraction.

FaceTrackr – Smart Attendance System | *Python, OpenCV, dlib*

May 2025 – Present

- Building a real-time facial recognition attendance system optimized for low-spec hardware.
- Implemented timestamp logging on face detection with planned frontend integration for live tracking.
- Using OpenCV and dlib for accurate facial embeddings; planning seamless sync with web-based frontend.

Verbo – Voice Translation App | *Python, Flask, TTS/STT, Translation APIs*

June 2025 – Present

- Building a real-time voice translation system using open-source speech, translation, and TTS tools.
- Integrated DeepSpeech for speech-to-text and LibreTranslate for multilingual translation.
- Exploring TTS options including Coqui TTS, Piper, and HuggingFace voice models for speech synthesis.
- Modular Flask backend handles audio input, language selection, and returns translated output; frontend planned in React.

HACKATHONS

HackCraft 2.0

Apr 5–6, 2025

Global Institute of Technology & Management, Gurgaon

- Participated in a 24-hour offline hackathon with 150+ participants focused on rapid prototyping and innovation.

Smart India Hackathon (2x Participation)

2024–2025

Govt. of India Initiative

- Participated in two national-level editions — SIH 2024 and SIH 2025 — as part of a team solving real-world problem statements.

HackArena 2025

June 28–29, 2025

Esports Hackathon by Ignite Room

- Participated in a 36-hour esports-themed hackathon focused on gaming, analytics, and community innovation.

TECHNICAL SKILLS

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

Machine Learning & AI: scikit-learn, pandas, NumPy, matplotlib, pickle, OpenCV, Jupyter Notebook

Developer Tools: Git, GitHub, VS Code, Visual Studio, PyCharm

Technologies & Frameworks: React, Node.js, Flask, FastAPI, REST API, Django, Tailwind CSS, MySQL, PostgreSQL

Cloud & DevOps: Docker, Linux