

# Sharon Shaji

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🔗 sharon-1.vercel.app

## 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)*

Gurgaon, Haryana

*April 2020 – March 2021*

## RELEVANT COURSEWORK

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

## DSA PRACTICE PROFILES

- LeetCode: 7AuXuZJgtD   CodeChef: majortruce76

## TECHNICAL SKILLS

**Languages:** Python, C/C++, SQL, JavaScript, TypeScript (basic), HTML/CSS, JSON

**Machine Learning & AI:** scikit-learn, pandas, NumPy, matplotlib, pickle, OpenCV, Jupyter Notebook, ML Pipelines, Recommendation Systems (foundational understanding)

**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, AWS, GitHub Actions (basic)

**Other Skills:** Markdown, Postman, CLI Tools, Clean Code Principles, Design Patterns, Unit Testing (basic), Real-Time Systems (concept)

## PROJECTS

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

April 2025

- \* Built the backend of a decentralized education platform where educators publish courses and students earn blockchain-verified certificates.
- \* Leveraged Web3 authentication using MetaMask and Flask for role-based access control.
- \* Integrated Solidity smart contracts to manage course ownership, enrollments, and NFT minting.
- \* Used IPFS to store course content and LRN tokens for decentralized transactions.
- \* Collaborated on overall architecture while focusing on backend logic and Web3 integrations.

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

June 2025

- \* Built the core backend logic for an esports platform connecting players with organizations for gigs, endorsements, and skill verification.
- \* Established token-based authentication, player/org registration, and session management using JWT.
- \* Blended third-party APIs (Tracker.gg, OpenDota) to fetch and verify real-time player statistics.
- \* Enabled soulbound NFT-like endorsements for verifiable in-game credibility and anti-fraud protection.
- \* Designed modular FastAPI architecture with clean routing, schema validation, and service abstraction.

### 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.
- \* Implemented 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.

## CERTIFICATIONS

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Using Project-Based Learning and Design Thinking  
Information Technology Fundamentals  
Professional Skills  
From Learner to Builder – Become an AI Agent Architect  
Large Language Model Basics  
Mastering the Art of Prompting  
Unleashing the Power of AI Agents  
Getting Started with Artificial Intelligence  
The Rise of Multiagent Systems

## HACKATHONS

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### HackCraft 2.0

Apr 5–6, 2025

*Global Institute of Technology & Management, Gurgaon*

- \* Developed a working prototype in 24 hours aimed at connecting educators and teachers via blockchain; contributed to backend logic and smart contract integration.

### Smart India Hackathon (2x Participation)

2024–2025

*Govt. of India Initiative*

- \* Solved real-world problem statements with a cross-functional team; focused on system architecture and implementation.

### HackArena 2025

June 28–29, 2025

*Esports Hackathon by Ignite Room*

- \* Built an esports analytics tool during the 36-hour hackathon; contributed to real-time data processing backend.

## LANGUAGES

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**English:** Fluent

**Hindi:** Fluent

**German:** A1 proficiency (self-taught through Duolingo)