



# SHARAD BAHADUR SINGH

Full Stack Developer & Data Scientist

Noida, India

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 sharad2014t@gmail.com

 Sharad

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## Technical Skills

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**Languages & Databases:** C/C++, JavaScript, Solidity, Python, Java & SQL (Postgres), MongoDB

**Frameworks & Libraries:** React, Node.js, Express, Hardhat, RTK(Redux Toolkit), Tailwind, Bootstrap

**Developer Tools:** Git, GitHub, Kafka, Docker, Pandas, NumPy, Anaconda, Jupyter Notebook, Matplotlib

## Projects

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**Chat with Video (RAG)**  [github.com/.../Chat-with-video](https://github.com/.../Chat-with-video) **2026**

- Built a Retrieval-Augmented Generation (RAG) system to answer DSA questions from video lectures.
- Used Whisper for transcription, vector embeddings for semantic search, and LLaMA for grounded answers with video timestamps
- Currently enhancing the system and preparing it for deployment.

**Reel Bite - Food reels platform**  [github.com/.../ReelBite](https://github.com/.../ReelBite) **2025**

- Implemented JWT-based authentication with protected routes and MongoDB-backed user and content management.
- Developed frontend and backend as separate services for scalability.

**InterviewPal – AI-powered interview readiness platform**  [github.com/.../Interv](https://github.com/.../Interv) **Live Demo** **2025**

- Created an AI-powered interview prep tool using Gemini API for personalized skill matching.
- Hosted on **Vercel** for fast, reliable access.

**TipJar3.0 – Ethereum Tipping Platform**  [github.com/.../TipJar](https://github.com/.../TipJar) **Live Demo** **2025**

- Built a decentralized web app with Solidity smart contracts ( Hardhat ) for Ethereum-based tipping.
- Deployed on **Netlify** for seamless global access.

## Experience & Certificates

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**Data Structures and Algorithm with C++** **Certificate**

- Practiced problem-solving and competitive programming techniques with real-world examples.
- Coding Platform Profiles: **LeetCode.com/shara7s7**

**Data Science** **Certificate**

- Worked on data preprocessing, cleaning, and visualization using Python libraries (Pandas, NumPy, Matplotlib, Scikit-learn, RAG, Streamlit).
- Built and evaluated machine learning models for solving classification and regression problems.

## Education

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**Jaypee Institute of Information Technology**

B.Tech in Computer Science

**2023–2027**

Noida, Uttar Pradesh

**Dewan Public School**

12th Grade (CBSE)

**2011–2023**

Hapur, Uttar Pradesh