




SHARAD BAHADUR SINGH

Full Stack Developer | Data Science Enthusiast

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 Sharad

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Technical Skills

Programming & Scripting: C++, JavaScript, Python, SQL, Solidity

Web Development: React.js, Node.js, Express.js, Firebase, RESTful APIs

Data Science & Analytics: Pandas, NumPy, Matplotlib, Data Cleaning, Regression, Classification

DevOps & Tools: Docker, Kubernetes, Jenkins, AWS, Git, GitHub Actions (CI/CD)

Databases & Backend: MongoDB, PostgreSQL, Clerk Auth, RazorPay, ImageKit, Kafka, Inngest

Experience

Google Developer Group (GDG) – IIIT 128

Aug 2023 – Oct 2025

Core Team Member

- Mentored 10+ students in technical and career development; organized 100+ developer meetups.
- Contributed to community-driven open-source projects, improving collaborative workflows.

LendWise – Secure P2P Lending Platform (Innovate 3.0 Hackathon)

2026

Tech Stack: Next.js, ShadCN, Clerk, RazorPay, MongoDB

- Developed a full-stack P2P lending platform with secure borrower–lender transaction flows.
- Engineered a creditworthiness engine utilizing transaction history to dynamically adjust loan limits.

Projects

Skill-Screen | MongoDB, Clerk, Stream, Monaco Editor, Piston API, Inngest, React

Live Demo | GitHub

- Built backend services to manage coding interview sessions, users, and problem data with secure authentication and access control.
- Enabled real-time collaborative problem solving with Monaco code editor, multi-language support, and live code execution with instant output during sessions.

Chat with Video (RAG) | Python, Whisper, Vector Embeddings, Semantic Search, RAG, LLaMA

GitHub

- Engineered a RAG system to answer DSA queries from video lectures using semantic search.
- Generated grounded responses with linked video timestamps for precise navigation and explainability.

Reel Bite | Node.js, Express.js, MongoDB, JWT, Docker Compose, Multer, ImageKit

GitHub

- Built and secured backend REST APIs for a food reels platform with JWT-based authentication, authorization, and protected routes.
- Deployed a containerized multi-service architecture using Docker Compose (Frontend, Backend, MongoDB, Mongo Express) with persistent database volumes and cloud media uploads.
- **Quick Start:** Clone from GitHub and run `docker compose up -d`

Certificates

Data Science (CodeWithHarry)

View Certificate

- Worked on data preprocessing, cleaning, and visualization using Python libraries (Pandas, NumPy, Matplotlib, Scikit-learn, RAG, Streamlit).

Education

Jaypee Institute of Information Technology

2023 – 2027

B.Tech in Computer Science (Noida, UP)

Dewan Public School

2011 – 2023

12th Grade (CBSE)

Hapur, UP