

Aryan Sharma

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EDUCATION

Indraprastha Institute of Information Technology (IIITD)

Delhi, India

Bachelor of Technology - Computer Science and Bioscience

Jan 2021 – June 2025

EXPERIENCE

AWIROS

Gurugram

Software Development Engineer 1

Jun 2025 – Present

- UI Revamp & Platform Stabilization:** Resolved 100+ bugs and implemented complete Figma-to-code responsive flows under a tight 1-month PoC deadline, improving platform stability and reducing tester-reported UI issues.
- Bulk Upload, Migration & Session Handling:** Engineered a large-scale ingestion system supporting 1M+ face & vehicle records with session persistence, resume-safe ZIP/CSV uploads, and real-time progress tracking—cutting failures and manual migration work.
- Traffic Dashboard & Challan Workflow:** Enhanced analytics dashboards with violation, challan, and revenue insights; built a semi-automated challan workflow where officers verify violations and the system auto-processes fines and updates.
- Vehicle Search & Evidence Retrieval:** Built a premium number-plate search handling thousands of queries/month, enabling instant retrieval of violation history with attached evidence.
- RBAC System Integration:** Integrated platform-wide RBAC across frontend and backend, standardizing authorization and reducing permission-related issues.
- Tools & Technologies:** Node.js, Angular, Express, React, MongoDB, REST APIs, Chart.js, Docker, Kubernetes.

EL-FI HOMES

Remote

Software Developer Intern

Oct 2023 – Dec 2023

- Responsive & SEO-Optimized Web App:** Built a Next.js + Tailwind app increasing monthly visitors by 1500+ through SEO improvements.
- Streamlined Admin Panel & API Integration:** Built an admin dashboard for blogs and customer management, integrating REST APIs and Google APIs for solar analysis.
- Automated Cost-Benefit Analysis:** Created tools for personalized solar panel savings and ROI estimation.
- Tools & Technologies:** Next.js, Node.js, MongoDB, Express.

PROJECTS

Vid.io | React, ShadCN, LangChain, Qdrant, Redis/BullMQ, Python | GitHub

- Built an interactive RAG chatbot where users upload YouTube links and query video content using chunked transcripts and vector search.
- Implemented a Python microservice for embeddings and used Redis/BullMQ for asynchronous job processing.

Visura — AI Video Generator | React, Express, FastAPI, Redis, Node.js | GitHub

- Developed a full-stack AI video generator with a FastAPI model service and Redis queues for async video creation.
- Implemented secure prompt submission, job tracking, and a responsive UI for real-time generation states.

Traffic Management System Dashboard | React, Node, Express, Chart.js

- Developed dashboards visualizing violations, challans, and revenue trends through interactive charts and modular APIs.
- Built a semi-automated challan workflow and a number-plate search tool to retrieve violation history with evidence.

TECHNICAL SKILLS

Languages: C, C++, Python, Java, JavaScript, TypeScript, SQL

Frameworks: Next.js, Angular, Node.js, Express, Tailwind CSS, LangChain

Libraries: React, Redux, Chart.js

Tools & Technologies: Redis, Git, MySQL, PostgreSQL, MongoDB, Docker, Postman, REST APIs