

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

Core Concepts: Data Structures Algorithms (DSA), Database Management Systems (DBMS), Object Oriented Programming (OOP), Operating Systems (OS), System Design, Microservices

SKILLS SUMMARY

- **Languages:** C, C++, Python, JavaScript, TypeScript, SQL
- **Technologies:** React, Redux, Tailwind CSS, Node, Express, Next, Angular, REST APIs, ChartJs
- **Tools:** Git, MySQL, Postgres, MongoDB, Postman, Docker
- **Platforms:** Linux, Windows

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, significantly 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, adding session persistence, resume-safe ZIP/CSV uploads, and real-time progress tracking—reducing import failures and cutting manual migration steps.
- **Traffic Dashboard & Challan Workflow:** Enhanced analytics dashboards with insights on violations, challans, and revenue trends, reducing dependence on manual reporting. Built a semi-automated challan workflow where officers verify violations manually, after which fine calculation, challan creation, and status updates run automatically—cutting repetitive steps.
- **Vehicle Search & Evidence Retrieval:** Developed a premium number-plate search system handling thousands of queries/month, enabling instant lookup of violation history with attached evidence and supporting a key revenue-generating module.
- **RBAC System Integration:** Designed and implemented a platform-wide RBAC system across frontend & backend, standardizing access policies and reducing permission-related issues by during testing.
- **Tools & Technologies:** Node, Angular, Express, React, MongoDB, REST APIs, ChartJs, Docker, Kubernetes.

EL-FI HOMES

Remote

Software Developer (Intern)

Oct, 2023 - Dec, 2024

- **Responsive & SEO-Optimized Web App:** Built a Next.js and Tailwind CSS web app, boosting monthly visitors by 1500+ through SEO best practices.
- **Streamlined Admin Panel & API Integration:** Developed an admin panel for efficient blog and customer management, integrating RESTful and Google APIs for solar panel cost analysis.
- **Automated Cost-Benefit Analysis:** Implemented tools for personalized solar panel cost estimation, enhancing customer insights on savings and ROI.
- **Tools and Technologies:** Next, Node, MongoDB, Express.

PROJECTS

- **DishDecode(Python, LLM, MongoDB, React):** Built an automated recipe extraction platform that converts cooking videos into structured PDFs. Integrated advanced audio transcription (Deepgram), in-frame text detection (Tesseract/OCR), and LLMs (Google Gemini) for structured data generation, offering single-click PDF downloads and a searchable recipe database. [Link](#)
- **Visura — AI Video Generator (React, Express, FastAPI, Redis, Node):** Built a full-stack React + Express app connected to a FastAPI AI service for video generation. Implemented a Redis job queue for async processing and added secure authentication with smooth client-server flow for submitting prompts and tracking video status. [Link](#)
- **Manga Mania (MERN Stack, Redux Toolkit, JWT):** Built a web application to help users track manga and novel chapters across multiple websites. Implemented JWT authentication with HttpOnly cookies for secure login, designed RESTful APIs for manga management, and utilized Redux Toolkit for scalable state handling. [Link](#)