ARYAN SHRIVASTAVA

New Delhi, India | Software Development Engineer

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EDUCATION

Guru Gobind Singh Indraprastha University, New Delhi Aug 2024 - July 2028

Bachelor of Technology in Computer Science | CGPA: 8.7/10

EXPERIENCE

SDE Intern | DashX October 2025 - Present

Django REST Framework, Next.js, Celery, Docker, Web3, Payment Integration

- Designed and implemented the company's referral system across frontend and backend, developing core user flows and API integrations.
- Integrated 2+ payment providers to enable real-money on-ramp transactions and reliable transaction processing.
- Built and shipped on-ramp functionality for cross-border payments with API-driven workflows and transaction status handling.
- Developed reusable TypeScript and Next.js components while integrating backend services for Web3-enabled applications.

Freelance Full-Stack Developer November 2024 - August 2025

Next.js, TypeScript, MongoDB, REST APIs, JWT, TanStack Query, Tailwind CSS

- Delivered 10+ full-stack web applications for clients using Next.js, TypeScript, MongoDB, REST APIs, and Tailwind CSS.
- Built Conscious India, an e-commerce platform supporting seller onboarding and handcrafted product management for a platform onboarding 1,000+ users monthly.
- Implemented JWT authentication, protected seller/admin access, REST APIs, CRUD workflows, and an administrative dashboard.
- Integrated TanStack Query for cached server-state management and optimized asynchronous data fetching.

PROJECTS

Smart Railways | Railway Operations & Maintenance Planning Platform

Python, Django REST Framework, PostgreSQL, TanStack Query, Celery, Redis, Docker, Next.js

- Developed REST APIs for railway corridors, assets, maintenance tasks, train schedules, and live train movements using Django REST Framework and PostgreSQL.
- Built scheduled Celery workers to scrape, parse, normalize, and synchronize Indian Railways NTES data with rate limiting, retries, active-day filtering, and deterministic train selection.
- Implemented conflict-detection and feasible-window algorithms to identify train–maintenance collisions and calculate safe maintenance schedules.

SentryLite | Full-Stack Observability Platform

Django REST Framework, PostgreSQL, Redis, Celery, Docker, Next.js, TypeScript

- Built a self-hosted error tracking and uptime monitoring platform using Django REST Framework, PostgreSQL, Redis, Celery, Docker, Next.js, and TypeScript.
- Implemented a JavaScript error-capture SDK, API-key-authenticated event ingestion, stack-trace fingerprinting, and duplicate issue aggregation.
- Developed JWT authentication, project-level ownership, scheduled health checks, and state-change alerting with Celery background workers.

Conscious India | Freelance Full-Stack E-Commerce Platform

Next.js, TypeScript, MongoDB, REST APIs, JWT, TanStack Query, Tailwind CSS

- Delivered a full-stack e-commerce platform for a freelance client, enabling sellers to onboard and manage handcrafted product listings.
- Supported a platform onboarding 1,000+ users monthly through optimized user flows and reliable client-server data synchronization using TanStack Query.
- Implemented JWT authentication, protected seller/admin access, REST APIs, CRUD workflows, and an administrative dashboard.

TECHNICAL SKILLS

- **Languages:** *TypeScript, JavaScript, Python, C++*
- **Frontend:** *Next.js, Tailwind CSS, shadcn/ui, Zustand, TanStack Query*
- **Backend & APIs:** *Node.js, Express.js, Django, Django REST Framework, REST APIs, GraphQL, JWT, RBAC, CRUD, Web Scraping*
- **Databases & Async:** *PostgreSQL, MongoDB, Supabase, Redis, Celery*
- **Tools:** *Git, GitHub, Docker, Postman*
- **Spoken Languages:** *Hindi, English*

LEADERSHIP & ACTIVITIES

Geek Room | Event Lead Aug 2025 - Sept 2026

- Coordinated and executed hackathons, supporting end-to-end event planning and participant management.
- Contributed to hackathon website development, improving event functionality and participant experience.
- Mentored participants on debugging, project architecture, and technical implementation.