

Shivanshi Upadhyay

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WORK EXPERIENCE

R2i2 Partners | Full Stack Developer Intern

01/2025 – 08/2025

- Led the development of **VisitPulse**, a full-stack PWA for pharmaceutical companies to manage MR.
- Contributed to **EduFeeHub**, a fee management system for educational institutes, and architected the snooze/unsnooze student payment workflow.
- Contributed to **SvelteBase**, a SvelteKit–Supabase boilerplate; implemented user creation logic and fully architected WebPush notifications.

ONBO | Backend Developer Intern

10/2023 – 12/2024

- Optimized database performance by **35%** through improvements in RLS subqueries, improving indexing strategies, enhancing query efficiency, and optimizing domain models.
- **Implemented the flow for new product onboarding users.** Contributed to a **Django-based backend** and **Node.js-based Keycloak library** adhering to clean architecture principles. Responsibilities included adding new features and resolving issues and bugs.
- Contributed to a **NestJS-based integration microservice** for integrating PandaDoc and DocuSign while implementing **clean architecture and domain-driven design**.
- Architected a series of **utility scripts** leveraging **Deno and TypeScript** using **Windmill** that streamlined backend operations, resulting in a decrease in response time for API calls.

XFlow Labs | Backend Developer Intern

06/2024 – 08/2024

- Architected and implemented an end-to-end scalable **multi-tenant database** using PostgreSQL's Row-Level Security (RLS) features for **tenant data isolation** for a onboarded flow .
- Architected and implemented scalable functionality for **resource capping** at both the tenant and user levels.

Deep Ecom | Software Development Intern

10/2022 – 11/2022

- Collaborated with the **Amazon India** team to develop the backend for an innovative e-commerce adapter, facilitating seamless integration of diverse sellers onto a unified platform.
- Implemented in TypeScript, leveraging the functional programming paradigm and Effect-TS library for enhanced efficiency and maintainability.

PROJECTS

VisitPulse: MR Management Application

- Developed a PWA for pharmaceutical companies to manage MR activities, including visit planning, sales tracking, and compliance, with a web dashboard for managers.
- Built-in features like marketing message broadcasting and sales metric reporting with CSV export support.
- Implemented **role-based access control** for secure access and management of doctor visit and sales data.

ACHIEVEMENTS

- Represented our college by scoring in the **top 8** at a **hackathon** organized by **iNeuron** at **LPU**, Punjab.
- Actively contributing to open-source projects; made contributions to organizations such as **Zulip**, **ToolJet**, and **OHC Network**.

EDUCATION

Kamla Nehru Institute of Technology (Bachelor of Technology in Computer Science), expected 2027

Shah Faiz Public School(High School & Intermediate)

2020-23

TECHNICAL KNOWLEDGE

STRONGEST AREA: Node.js, Expressjs, MongoDB, SQL, Typescript, Next.js, Database Design

Languages & Technologies: TypeScript, NestJS, Docker, CI/CD, MongoDB, Redis, ExpressJS, SQL, NoSQL, Azure, AWS EC2, Lambda, RDS, S3, Serverless, JS, Git, Operating System, Object-Oriented Programming, N8N, React.js, Java, Functional Programming, Clean Architecture, Domain-Driven Design, Fast API, Prisma, Turborepo, and AI Sdk.