

TANMAY JAIN

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Full Stack Developer skilled in building scalable web applications using React.js, Flask, and FastAPI, with experience in backend development, REST APIs, microservices, authentication systems, and database-driven architectures.

EXPERIENCE

- ❖ **Full Stack Developer Intern** – Amenses Innovation, Indore (Apr 2024 – Mar 2025)
 - Built **scalable backend services** with FastAPI & Flask, improving API response times by **~25–35%**.
 - Designed MongoDB data models and **optimized queries** for faster data access.
 - Aligned REST APIs with React.js frontend, **reducing feature rollout** & integration effort.
 - Engineered reusable component patterns and structured **state management**, improving code maintainability and **reducing UI complexity**.
 - Worked across the full stack, with stronger focus on **backend architecture** and **API development**.
 - Tech: **Python, FastAPI, Flask, MongoDB, React.js, REST APIs, JWT**

EDUCATION

- ❖ **Bachelor of Technology – Computer Science** (2021 – 2025)
Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore (8.67 CGPA)

PROJECTS

- ❖ **MadiraSetu** — Liquor Inventory & Loss Prevention Platform (**Flagship Project**) [GITHUB](#)
 - Architect **GTIN/Barcode**-based item detection, reducing manual entry errors by **~80%**.
 - Real-time stock tracking with closing reports, **cutting manual pen-paper reconciliation** by **~60–80%**.
 - **Mobile-first system** for managing stock and billing directly **from the phone**.
 - **Low-stock alerts** and **batch tracking** for accurate stock maintenance.
 - Tech: **React Native, FastAPI, PostgreSQL, JWT, Docker**
- ❖ **GatherFlow** — Event Management System (**Solo Project**) [GITHUB](#)
 - Developed a platform with Admin, Vendor & Customer panels supporting **50+ event bookings**.
 - Integrated **Razorpay** and reduced manual approval workload by **~70%** through automation.
 - Implemented **QR-based ticket verification** that eliminated **re-scan fraud cases**.
 - Tech: **React.js, Flask, MongoDB, JWT, Razorpay**

SKILLS

- ❖ **Languages:** Python, JavaScript (ES6+), HTML5, CSS3
- ❖ **Frontend:** React.js, React Native, TailwindCSS
- ❖ **Backend:** FastAPI, Flask, REST APIs, Microservices, JWT Auth
- ❖ **Databases:** MongoDB, PostgreSQL, MySQL
- ❖ **DevOps & Tools:** Git, GitHub, Docker, Postman
- ❖ **Concepts:** API Design, Async Programming, Authentication, System Design, Data Modeling

CERTIFICATIONS

- ❖ NPTEL — Database Management Systems (IIT Kharagpur)
- ❖ NPTEL — The Joy of Computing Using Python (IIT Madras)
- ❖ NPTEL — Data Analytics with Python (IIT Roorkee)

INTERESTS

- ❖ Stock Market Analysis – (price action, trend behavior & risk management)
- ❖ Professional Photography – (composition, framing & visual aesthetics)