

# Sumit Kumar Jha

Software Developer

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Software Developer experienced in building scalable UI design, real-time systems, and secure APIs in performant web apps using Django, DRF, Next.js, and Rails. Delivered core tax and business workflows.

Core competencies: Full Stack Development • Scalable Web Architecture • RESTful API • Real-time Systems • Machine Learning Applications • Django • Next.js • Node.js • Ruby on Rails • MongoDB • PostgreSQL

## WORK EXPERIENCE

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**Prismberry** - Software developer / Noida UP, India / Jan 2025 - Present

- **Taxspanner** - Tax compliance platform supporting digital filing of TDS, GST, and income tax returns.
  - Collaborated on end-to-end development of core user workflows using Django, DRF, and Next.js (v13-15), focusing on performance and UX. Designed and implemented reusable UI components, improving interface consistency and developer velocity. Contributed to a 20% lift in feature adoption and a 30% reduction in API response times.
- **Propel** - business management platform that streamlines operations, finances, and teams
  - Built report UIs in ERB and implemented backend parsers in Ruby for processing report data, improving data clarity and reliability. Contributed to scalable card management and transaction workflows using Rails and PostgreSQL.

## PROJECTS

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**FastNotes** - FastAPI | MongoDB | JWT Code

- Delivered high-speed CRUD operations for notes within <2s and 1000+ concurrent DB transactions.
- Secured APIs with JWT auth, role-based access, cookie security, CORS, and user management.
- Optimized MongoDB for scalable queries, built RESTful users with auth, and collaboration endpoints.

**Kurakani** - React | Node.js | Express | MongoDB | Zustand | Socket.IO | JWT Code

- Built a scalable messaging platform using custom Express APIs and JWT-based authentication.
- Engineered real-time communication via Socket.IO for 500+ concurrent user chat sessions.
- Implemented a device-agnostic React UI for seamless group and individual messaging.
- Integrated Zustand for managing real-time UI state, improving message sync speed by 25%.

**Vigilante** - Python | scikit-learn | NumPy | Pandas | TF-IDF Code

- Deployed ML system with TF-IDF and URL sanitation, classifying 100K+ URLs at 94% precision.
- Optimized ensemble models (DT, RF, Extra Trees), reducing analysis time by 80% to 0.3s per URL.

## TECH STACK

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Languages: Python, JavaScript, C, C++, Ruby

Frontend: React.js, Next.js, Tailwind CSS, SCSS, Redux, Zustand

Backend: Django, Django REST Framework, FastAPI, Node.js, PostgreSQL, MongoDB, RoR

Tools & DevOps: Git, GitHub, Docker, Linux, Postman, Figma

Development Practices: Agile, Scrum, TDD, Code Review, CI/CD, Team Collaboration, Authentication

## EDUCATION

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Motilal Nehru National Institute of Technology, Allahabad Nov 2020 - Jun 2024  
B.Tech in Computer Science and Engineering 7.85 / 10

Dedraj Sewali Devi Todi DAV Kedia Vishwabharti School, Biratnagar, Saptari Jun 2017 - Jul 2019  
Senior Secondary (CBSE Class XII - Science Stream) 81.80 %

## POSITIONS OF RESPONSIBILITY

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Mentor in Student Mentorship Program, MNNIT

- Mentored 50+ freshmen and sophomores in core CS subjects and career guidance
- Organized technical workshops, coding contests, and hackathons for freshmen.