

# Ujjwal Singh

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🌐 Ujjwal-198 • Portfolio

## Summary

Full-Stack Developer focused on building scalable production-ready systems using MERN and Next.js. Strong in API architecture, authentication workflows, performance optimization, and Data Structures Algorithms. Experienced in taking products from design to deployment.

## Technical Skills

**Languages:** C++, JavaScript, TypeScript

**Frontend:** React.js, Next.js (App Router), Tailwind CSS

**Backend:** Node.js, Express.js, REST APIs, JWT Authentication

**Database:** MongoDB, MongoDB Atlas

**Deployment:** Vercel, Render

**Core:** DSA, API Design, Basic System Design

## Experience

**Devoint Technologies**

*Web Development Intern*

**Ghaziabad**

*Jul 2024 – Sept 2024*

- Engineered REST API modules and integrated React frontends for production features.
- Optimized database query flow reducing API latency by improving request handling.
- Built reusable UI components and improved application reliability via structured debugging.

## Projects

**The Margin – Scalable Technical Blogging Platform**

**Live:** Live App **GitHub:** Repository

- Built full-stack blogging platform using Next.js (App Router) and TypeScript with server/client component separation.
- Implemented dynamic routing, SSR/SSG rendering strategy, and modular reusable layout architecture.
- Designed role-based content workflows with protected routes and API-driven backend logic.
- Optimized performance through automatic code splitting and static generation; deployed on Vercel.

**Luminote – Academic Document Sharing Platform**

**Live:** Live App **GitHub:** Repository

- Architected MERN-based system supporting authenticated uploads, downloads, and user dashboards.
- Implemented JWT-based authentication and protected REST endpoints.
- Engineered secure file upload workflow using Multer with validation and structured storage.
- Designed MongoDB schema and indexing strategy for scalable document retrieval.

**InvoiceSwift – Smart Invoice Management System**

**Live:** Live App **GitHub:** Repository

- Developed intelligent invoice system with automated tax, item-level totals, and real-time calculations.
- Implemented optimized React state management with dynamic preview updates.
- Designed backend CRUD APIs ensuring persistent storage and structured invoice data flow.
- Integrated PDF export pipeline reducing manual invoice preparation time.

## Education

**IMS Engineering College**

*B.Tech in Computer Science*

Coursework: Data Structures, Algorithms, DBMS, Operating Systems

**Ghaziabad**

*2021 – 2025*