

# Jatin

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## EDUCATION

**Dronacharya College of Engineering** Gurugram, Haryana  
2022 – 2026  
*Bachelor of Technology in Computer Science and IT; CGPA: 7.7*

## EXPERIENCE

**WysBryx Technologies** Remote  
Nov. 2025 – Present  
*Full Stack Developer Intern*

- Architected and deployed **Synergy**, an internal ERP system using **MERN Stack** and **TypeScript**, streamlining resource management for **50+ internal users**.
- Engineered a reusable **Tiptap** rich-text editor with local state caching, reducing editor initialization latency by **30%** and improving content creation efficiency.
- Secured sensitive HR data by implementing **RBAC (Role-Based Access Control)** via **JWT** middleware, managing granular permissions for **4 distinct user roles**.
- Automated weekly engineering reporting by designing scheduled cron jobs, reducing manual status update time by **40%** for the development team.
- Standardized API consumption by documenting **40+ RESTful endpoints** using **Swagger/Scalar**, ensuring seamless integration for frontend developers.

## PROJECTS

### Video Streaming Architecture | *Repository*

*Node.js, Express, MongoDB, Cloudinary, Bcrypt, JWT, Multer*

- Developed a high-performance backend handling complex data relationships using **MongoDB Aggregation Pipelines**, optimizing query execution time for video feeds.
- Implemented secure authentication utilizing **JWT** and **HttpOnly cookies** to prevent XSS attacks and manage user sessions effectively.
- Integrated **Cloudinary** for optimized video storage and retrieval, ensuring low-latency media delivery across varying bandwidths.

### E-Commerce Web Platform | *Repository*

*React, Redux Toolkit, Node.js, Stripe, Nodemailer, MongoDB*

- Built a feature-rich shopping platform using **Redux Toolkit** for global state management of carts and user profiles, reducing unnecessary re-renders.
- Integrated **Stripe API** to process secure transactions and implemented **Nodemailer** for automated OTP verification and order notifications.
- Designed a dynamic admin dashboard for real-time inventory management, supporting complex CRUD operations for product listings.

### MindMatters - AI Mental Health Companion | *Repository*

*Next.js 15, TypeScript, PostgreSQL, Drizzle ORM, TailwindCSS, Hugging Face API*

- Architecting a privacy-first platform using **Next.js 15** and **TypeScript**, utilizing **Server Actions** for secure, type-safe mutations.
- Designed a normalized relational schema in **PostgreSQL** to store encrypted journals, using **Drizzle ORM** to achieve less than 100ms query latency.
- Integrated **Hugging Face Inference API** (RoBERTa model) to classify journal sentiment, visualizing emotional trends on a dashboard built with **Shadcn/ui**.
- Implemented a gap-filling algorithm to interpolate missing mood data points, ensuring seamless visualization on **Chart.js** graphs.

## TECHNICAL SKILLS

**Languages:** JavaScript (ES6+), TypeScript, Python, Java, SQL, HTML/CSS

**Frontend:** React.js, Next.js, Redux Toolkit, TailwindCSS, Shadcn/ui

**Backend:** Node.js, Express.js, REST API, JWT, Socket.io

**Databases:** MongoDB (Mongoose), PostgreSQL (Drizzle ORM)

**DevOps & Tools:** Git, Docker, Postman, Swagger, Vitest, Jest