

# Ujjwal Kumar

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## TECHNICAL SKILLS

Languages: TypeScript, JavaScript, HTML, CSS, C, C++, Java, Python

Frontend: React.js, Next.js, Vite, Tailwind CSS, Chakra UI, Redux, Zustand, Recoil, React Router

Backend: Node.js, Express.js, REST API Design, JWT Authentication, Prisma, Mongoose, Zod, Multer

Databases: MongoDB, PostgreSQL, Supabase

Tools & Platforms: AWS, Azure, Git, GitHub, Postman, Vercel, Render, Railway, VS Code, Linux

Concepts: Data Structures & Algorithms, OOP, MVC Architecture, DBMS, Computer Architecture

## PROJECTS

### Offscript — Full-Stack Blogging & Social Publishing Platform

[GitHub](#) | [Live](#)

Next.js 16, React 19, TypeScript, Prisma, PostgreSQL, Supabase, Tailwind CSS

- Built a full-stack social publishing platform using Next.js 16, React 19, TypeScript, App Router, Server Components, Route Handlers, and Tailwind CSS, consolidating frontend and backend into a single application.
- Designed and implemented 19 REST API endpoints under /v1 for authentication, posts, search, likes, user content, admin moderation, logout, and health checks.
- Developed secure authentication and authorization using JWT HTTP-only cookies, jose, bcrypt password hashing, Prisma, and role-based access control with USER and ADMIN roles.
- Modeled a PostgreSQL database with 3 core Prisma models—User, Posts, and Likes—including unique constraints, relational integrity, 5 post lifecycle statuses, and 7 database migrations.
- Implemented a content moderation workflow supporting draft, pending, published, rejected, and removed states, with protected admin review actions, ownership checks, and server-side authorization.
- Added scalable user-facing features including 300 ms debounced search, URL-driven sorting and pagination with 9 posts per page, optimistic like/unlike interactions using Zustand, and Supabase image uploads with a 5 MB file limit and rollback handling.

### LoneStudy — Productivity Platform for Solo Learners

[GitHub](#) | [Live](#)

MongoDB, Express.js, React, Node.js, Tailwind CSS

- Developed a full-stack productivity app using React, Node.js, Express.js, and MongoDB, implementing JWT authentication, HTTP-only cookies, protected routes, and centralized state management.
- Built 9 REST API endpoints for To-Do, Notes, Pomodoro (25/5-minute cycles), and focus tracking with CRUD operations, Zod validation, Mongoose schemas, custom hooks, and centralized error handling.
- Built an analytics dashboard powered by MongoDB aggregation pipelines to track daily, weekly, and monthly focus time, total hours, and tasks completed.
- Deployed the app on Vercel and Railway, configuring CORS, environment variables, and secure production authentication.

## ACHIEVEMENTS

HackJNU 4.0 Hackathon — Winner (Jan 2026): 1st place among 100+ teams in a 36-hour hackathon at Jawaharlal Nehru University, open category.

Hackathon at IITM Janakpuri — Top 5 Finalist: Placed in the top 5 among 100+ teams.

## EDUCATION

Raj Kumar Goel Institute of Technology, Ghaziabad  
B.Tech, Computer Science & Engineering with AI&ML;  
specialization

2023–2027  
CGPA:  
8.0/10

## CODING PROFILES

LeetCode — 250+ problems solved | GitHub — 30+ repositories