Mohit Kumar Lottla

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SUMMARY

Full Stack Developer skilled in building end-to-end web applications using Next.js, React, Node.js, and MongoDB. Experienced in designing scalable architectures involving authentication systems, caching layers, PDF generation, text-to-speech pipelines, cloud media workflows, and real-time dashboards. Strong focus on performance, clean abstractions, and shipping reliable features independently. Fast learner with a product-first mindset and the ability to take ownership from problem to deployment.

TECHNICAL SKILLS

Frontend: React.js, Next.js (App Router), JavaScript (ES6+), TypeScript, Tailwind CSS, HTML5, CSS3, Responsive UI

Backend: Node.js, REST APIs, Next.js Server Actions, MongoDB, Mongoose

AI/Platform: PDF Generation, Caching Strategies, TTS, Cloud Media Handling

Auth: JWT, NextAuth.js/Auth.js, OAuth, Secure Session Management

Media/Cloud: ImageKit (thumbnails, transformations), File Upload Pipelines

Tools: Git, GitHub, VS Code, Chrome DevTools

PROJECTS

NoteForge AI — AI Study Companion Platform   GitHub — Live Link

- Built a full-stack AI platform enabling B.Tech students to generate module-wise notes, mock question papers, and downloadable PDFs without writing prompts.
- Implemented **MongoDB-based smart caching**, reducing API calls by 40% and improving repeated-request latency by 90%.
- Integrated **dynamic PDF generation** with client-side rendering and theme-aware contrast handling (dark/light mode).
- Added **Reader Mode** using text-to-speech for accessible learning experiences.
- Designed user dashboards using **Recharts** to visualize study progress and subject completion rates.
- Implemented secure **Google OAuth** using Auth.js (NextAuth).

VideoFeed — Real-World Video Sharing Platform   GitHub — Live Link

- Built a high-performance video feed using Next.js 15, TypeScript, and Tailwind CSS.
- Developed a **3-step direct-to-cloud upload pipeline** via ImageKit.
- Integrated AI-powered thumbnail generation and secure video workflows.
- Implemented scalable MongoDB schemas with user–video relationships.
- Designed a responsive masonry-style video grid for improved UX.

Full Authentication System — Next.js 13   GitHub Link

- Built complete authentication workflows including signup, login, JWT auth, and password reset.
- Implemented protected routes and secure API access control.
- Strengthened backend logic using MongoDB and Next.js server components.

EXPERIENCE

Java Programming Intern   Remote
CODSOFT   2024

- Developed Java-based modules focusing on OOP design, testing, and debugging.
- Strengthened problem-solving skills through structured programming tasks.

EDUCATION

B.Tech in Information Technology Graduating in 2026
University College of Engineering and Technology

ACHIEVEMENTS

- Built multiple production-grade applications with authentication, caching, media processing, and API integrations.
- Active GitHub contributor with consistent commits and real-world project work.
- Strong grasp of distributed UI architectures, server actions, and performance optimization.