MOHAMMAD IQBAL

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PROFESSIONAL SUMMARY

Results-oriented Full Stack Developer specializing in Next.js and scalable backend architecture. Proven track record of shipping production-ready applications across HealthTech, EdTech, and E-commerce domains. Expert in building secure, role-based systems (RBAC) and integrating AI solutions to solve complex business problems. Passionate about clean architecture and responsible AI integration.

PROFESSIONAL EXPERIENCE

AlgoForge Studios - Full Stack Developer   Sep 2025 – Dec 2025 Remote

- Leading the development of an **AI Automated Exam System**, integrating OpenAI for question generation and reducing manual evaluation time.
- Architected secure backend services using Next.js API and MongoDB to handle scalable user data and role-based access for educational institutions.

PROJECTS

➢ **Clinic Management System (Dr. Abhi)**   Repo Link
  - Developed a full-stack healthcare platform using **Next.js 14** and **MongoDB**, digitizing patient records and appointment scheduling for medical clinics.
  - Integrated **Clerk Authentication** for secure access control and engineered a custom "print-ready" reporting route to generate professional patient summaries.

➢ **HRA Inter College – Digital Campus System**   Demo Link
  - Architected a school management system with **Role-Based Access Control (RBAC)** to manage high-volume attendance and academic records.
  - Optimized database performance using **PostgreSQL** schemas and deployed a responsive dashboard on Vercel to eliminate manual attendance tracking.

➢ **ImageSell – Digital Assets Marketplace**   Demo Link
  - Built a production-ready digital marketplace with **TypeScript** and **NextAuth**, featuring a secure cart and order management system.
  - Implemented **Razorpay** for payment processing and **ImageKit** for scalable CDN delivery of high-resolution digital assets.

➢ **Automated Exam System**   Demo Link
  - Designed a self-hosted examination platform integrating external **Python ML services** for automated question paper generation.
  - Built analytics endpoints to monitor student performance, utilizing **Next.js** server routes to connect with AI models.

TECHNICAL SKILLS

- **Languages**: JavaScript (ES6+), TypeScript, C#, Python, SQL.
- **Frontend:** Next.js 14 (App Router), React.js, Tailwind CSS, Shadcn UI, HTML5/CSS3.
- **Backend:** Node.js, Express.js, PostgreSQL, MongoDB, NextAuth, Clerk Auth.
- **DevOps & Tools:** Git, Docker, Vercel, Razorpay Integration, ImageKit, OpenAI API.

EDUCATION

B.Tech. Computer Science & Engineering   MAY - 2026
Babu Banarasi Das Northern India Institute of Technology (BBDNIIT) - Lucknow