Mohammad Yunus Khan

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Education

Indian Institute of Information Technology (IIIT) Kota   **Nov 2022 – Jun 2026**
Bachelor of Technology in Computer Science   (**8.23 CGPA**)   *Kota, Rajasthan*

Navjeevan Mission School   **Apr 2017 – Mar 2021**
Senior Secondary Education   *Deoria, U.P.*

Projects

Creatr ⌂ | *Next.js 16, Convex, Clerk, Google Gemini, ImageKit, shadcn/ui, React Quill, Chart.js*   **May 2025**

- Architected an AI-driven publishing ecosystem leveraging **Next.js 16** and **JavaScript**, enabling intelligent content authoring, creator discovery, and scalable audience engagement.
- Embedded **Google Gemini** for contextual headline generation, semantic enrichment, and SEO enhancement, cutting manual writing effort by **60%**.
- Orchestrated real-time data flows via **Convex**, delivering instantaneous feed refreshes, live interaction counters, and low-latency insight propagation.
- Provisioned secure identity and session handling using **Clerk**, enforcing protected navigation, permission isolation, and resilient authentication workflows.
- Engineered a performance-optimized user experience with **ImageKit** media pipelines, **React Quill** rich editing, analytical visualizations, and adaptive theming through **Tailwind CSS** and **shadcn/ui**.

QuickChat ⌂ | *React, Zustand, MongoDB, Express, Socket.io, JWT, Cloudinary*   **Apr 2025**

- Engineered a **real-time chat application** for 50+ users with **Zustand**-powered global state and atomic updates.
- Secured sessions using **JWT + bcrypt** authentication, reducing breaches by 98%; persisted state with Local Storage.
- Integrated **Cloudinary** for instant media uploads (50+ files) and themed UI via **DaisyUI**'s 30+ modular variants.

Youtify ⌂ | *React, Zustand, Node.js, Express, MongoDB, Socket.IO, Cloudinary, shadcn/ui, Clerk*   **May 2025**

- Built a distributed audio delivery platform with a polymorphic, access-controlled admin interface for real-time orchestration of track metadata and catalogs.
- Implemented **real-time audio streaming and messaging** using Socket.IO, supporting 50+ concurrent sessions with persistent socket channels.
- Integrated **Clerk Auth** with RBAC enforcement; deployed on Render achieving **99.9% uptime**.
- Improved query performance by **40%** through indexed MongoDB lookups and optimized Express routes; boosted admin dashboard efficiency by **60%**.

Technical Skills

Languages: Python, Java, C++ (Data Structures), JavaScript, TypeScript, SQL
Web Development: React.js, Next.js, Express.js, Node.js, Socket.IO, Zustand, Three.js, Supabase, Clerk
Databases: MongoDB, MySQL, PostgreSQL
Developer Tools & Platforms: VS Code, Postman API, Git, GitHub, Cloudinary, MongoDB Atlas, Vercel

Relevant Coursework

- Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Database Management Systems, Computer Networks, Software Engineering, Machine Learning, Artificial Intelligence..

Achievements and Certifications

- Achieved **Knight** rank on LeetCode with a maximum rating of **1864**. ⟋
- Solved **1000+** problems over different platforms, specializing in DP, Graphs, and Greedy techniques. ⟍
- Achieved **Pupil** rank with a max rating of **1303** on **Codeforces**. 📊
- Certified in **HackerRank Problem Solving (Basic & Intermediate)** [View Certificate].