

# MOHAMMAD YUNUS KHAN

Indian Institute of Information Technology (IIIT) Kota, Rajasthan - 325003

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## Education

Indian Institute of Information Technology (IIIT) Kota

Nov 2022 – Jun 2026

Bachelor of Technology in Computer Science (7.20 CGPA)

Kota, Rajasthan

Navjeevan Mission School

Apr 2017 – Mar 2021

Senior Secondary Education

Deoria, U.P.

## Projects

Hirrd | React, Supabase, shadcn/ui, TailwindCSS, Vite

May 2025

- Architected a modular, end-to-end **talent acquisition system** with role-isolated recruiter/candidate interfaces, vacancy lifecycle orchestration, and advanced query filtering.
- Integrated **Supabase Auth** with JWT sessions and granular RBAC for secure, cross-device authentication.
- Implemented schema validation using **React Hook Form + Zod**, lazy-loaded routes with **React Router v6**, and real-time synchronization of job statuses and applicant tracking.
- Processed 50+ applications, onboarded 10+ companies, tested 25+ filter combinations; achieved **40% code reuse** and **3x faster recruiter workflows**.

QuickChat | React, Zustand, MongoDB, Express, Socket.io, JWT, Cloudinary

Feb 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.
- Optimized rendering with memoization and virtual DOM diffing, boosting UI responsiveness by **1.7x** and reducing re-renders by 30%.
- 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 polymorphic, access-controlled **admin interface** for real-time orchestration of track metadata, catalogs, and user telemetry.
- 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**.
- Accelerated query performance by 40% with indexed MongoDB lookups and optimized Express routes; improved admin dashboard efficiency by 60% via targeted UI/UX refinements.

## Technical Skills

**Languages:** Python, Java, C++(Data Structures), JavaScript, SQL

**Developer Tools:** VS Code, Postman API, Git, GitHub, Cloudinary, MongoDB Atlas, Render, Vercel




**Frameworks & Technologies:** Express.js, Socket.IO, Zustand, Three.js, Supabase, Clerk.

**Databases:** MongoDB, MySQL, PostgreSQL

## 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)** [\[View Certificate\]](#).