

Khushi Singhal

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Full Stack Developer • Problem Solver • Real-World Solution Builder • GenAI Explorer

Third Year Undergraduate, Computer and Communication Engineering
The LNM Institute of Information Technology, Jaipur

Education

B.Tech - Computer and Communication Engineering

The LNM Institute of Information Technology, Jaipur

2023 – Present

CPI: 6.89 / 10.00

CBSE XII

Modern School, Kota

2022

86.4%

CBSE X

Modern School, Kota

2020

92.6%

Scholastic Achievements

JEE Advanced 2023 | All India Rank 14703

2023

– Secured AIR 14703 among 155k candidates, conducted by IIT Guwahati.

JEE Mains 2023 | Top 3.5%

2023

– Ranked in the top 3.5% out of 1 million+ candidates, conducted by NTA.

Key Projects

Retail Supply Chain Optimizer

Full Stack Developer

Jun 2025 – Ongoing

Remote

- Developed an end-to-end inventory and logistics management solution using **React**, **Express.js**, **MongoDB**.
- Integrated an **LSTM-based demand forecasting model** with 87% accuracy to predict daily product needs.
- Implemented dashboards via **Chart.js** to visualize warehouse data and restocking cycles.
- Achieved a 25% reduction in stockouts by optimizing delivery routes and replenishment schedules.

Personalized Job Finder (AI-Powered)

Full Stack Developer

May 2025 –Ongoing

Remote

- Engineered an AI-driven job recommendation system using **OpenAI API**, **Node.js**, and **MongoDB**.
- Analyzed user profiles and preferences to generate personalized job listings with semantic matching.
- Designed an intuitive UI in **React.js** with filters, saved jobs, and application tracking.
- Increased match relevance by 40% through iterative prompt tuning and resume parsing techniques.

The Food Delivery App

Full Stack Developer

Jan 2025 – May 2025

Remote

- Built full-stack food ordering platform using **MERN stack**, featuring vendor dashboards and customer-facing UI.
- Integrated **Stripe API** for secure payments and **Cloudinary** for dynamic image uploads.
- Implemented role-based JWT authentication and modular backend APIs with **Express.js**.
- Designed reusable React components and persistent cart functionality with optimized state handling.

Quiz Master App

Frontend Developer

Nov 2024 – Dec 2024

Remote

- Created a dynamic quiz platform using **React**, **Firebase Firestore**, and **Tailwind CSS**.
- Built real-time score tracking, quiz categories, and timer functionalities to enhance UX.
- Integrated Firebase Auth for login/logout and deployed using Firebase Hosting.

HACKATHONS

Sparkathon by Walmart <i>Participant</i>	2025
– Participating in Walmart’s retail innovation hackathon.	
IIIT Lucknow Hackathon <i>Participant</i>	2024
– Built crime-reduction tools in collaboration with UP Police.	
Smart India Hackathon <i>Participant</i>	2024
– Worked on real-world problems from government/industry.	
Myntra We-For-She Hackathon <i>Participant</i>	2024
– Built fashion e-commerce features promoting inclusivity.	

TECHNICAL SKILLS

- **Languages & Web Dev:** JavaScript, C++, Python, Java, React.js, Tailwind CSS
- **Backend & Databases:** Node.js, Express.js, Django, MongoDB, PostgreSQL, Redis
- **Tools:** Git, GitHub, Docker, Vercel

EXTRA-CURRICULAR ACTIVITIES

- **Problem Solving:** Solved 150+ DSA problems on LeetCode, GFG, Coding Ninjas; ranked top 24% in college.

RELEVANT COURSES

- Fundamentals of Computing[†], Artificial Intelligence, Operating Systems, Linear Algebra, DBMS, OOP, DSA, Design and Analysis of Algorithms, Multivariable Calculus
- [†] *Ongoing*