

# KHUSHAL MALI

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## Summary

Full-Stack Developer (BCA, 8.70 CGPA) with **2 internships** delivering **production-grade web applications** using **React, Next.js, NestJS, and PostgreSQL**, specializing in **REST API design, secure authentication, real-time features, and AI integration** — consistently improving performance by up to **40%** and serving **1,000+ active users**.

## Education

Uttaranchal University

Bachelor of Computer Applications (BCA)

Dehradun, Uttarakhand

CGPA: 8.70

## Technical Skills

**Languages:** JavaScript, TypeScript, SQL  
**Frontend:** React, Next.js, React Native, Expo, HTML5, CSS3, Tailwind CSS, Shadcn UI  
**Backend:** Node.js, Express.js, NestJS, WebSockets, Redis  
**Databases & ORMs:** PostgreSQL, MongoDB, Prisma ORM, Convex, Sanity CMS  
**Cloud & DevOps:** Vercel, Cloudinary, Git/GitHub  
**Libraries & Frameworks:** Redux Toolkit, Zustand, React Query, Recharts, GSAP, Framer Motion  
**Tools:** Postman, Figma, pgAdmin, MongoDB Compass

## Experience

Full Stack Developer Intern

Mathionix Technologies Pvt Ltd

Jan 2026 – Present

Jaipur, India (Remote)

- Developed and deployed production-grade features using **React** and **NestJS**, delivering scalable UI components and REST API endpoints that directly served **1,000+ active users**.
- Built and integrated **payment processing, OAuth-based social login, Cloudinary file management, and Nodemailer email flows**, alongside **Recharts dashboards** for real-time analytics, owning the full integration layer of the product.
- Built and secured **NestJS backend modules** with **JWT guard middleware**, request validation pipes, and role-based access decorators, ensuring zero unauthorized API access across all endpoints.
- Integrated **PostgreSQL** with **TypeORM** in NestJS, designing normalized schemas and writing optimized queries with eager/lazy loading relations, cutting average API response time from **500ms to under 200ms**.
- Engineered reusable **NestJS modules** for file uploads, transactional emails, and push notifications, integrated **Redis caching** to reduce API response times, and implemented **global error handling and request logging middleware**.

Full Stack Developer Intern

The RD Group of Industries

July 2024 – October 2024

Varanasi, India (Remote)

- Engineered **3+ full-stack web applications** using **MongoDB, Express.js, React, and Node.js (MERN)**, improving user engagement by **25%** through responsive UI and accessibility enhancements.
- Developed **real-time analytics dashboards** using **React** and **REST APIs** with dynamic filtering and live data visualization, reducing stakeholder decision-making time by **30%**.
- Secured **3+ application modules** with **JWT + OAuth 2.0** authentication and **RBAC**, implementing protected routes and role-gated UI rendering.
- Boosted application performance by **40%** via **lazy loading, code splitting, and Next.js SSR**, raising Lighthouse scores from the 60s to **90+**.
- Designed and integrated **10+ RESTful APIs** with optimized **MongoDB** aggregation queries and indexing, reducing average data retrieval time by **35%**.

## Projects

Welth — AI-Powered Personal Finance Platform

[GitHub](#) | [Live](#)

- Tech:* Next.js 14, PostgreSQL, Prisma ORM, Google Gemini AI, Inngest, Clerk, Recharts
- Built a full-stack finance tracker with multi-account management, budget alerts, and a **real-time analytics dashboard**, solving scattered personal expense tracking.
- Integrated **Google Gemini AI** for automated receipt scanning and financial report generation, reducing manual expense entry by **70%**; used **Inngest** for reliable recurring transaction scheduling.

Connectly — Real-Time Team Communication Platform

[GitHub](#) | [Live](#)

- Tech:* Next.js 14, Convex, TypeScript, NextAuth.js, Tailwind CSS, Shadcn UI
- Engineered a **real-time team collaboration platform** with **workspaces, channels, direct messaging, and threaded conversations**, achieving sub-**100ms message delivery** via Convex's real-time database.
- Architected **role-based access control (RBAC)** and invite-based onboarding using **NextAuth.js**, securing workspace data and user permissions across multiple concurrent team environments.