

# KARTIKEYA NAINKHWAL

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## SUMMARY

Full-Stack Developer and CSE undergraduate at IIT Bhilai with strong expertise in modern web technologies (Next.js, Node.js), cloud infrastructure, and blockchain (Solana, Ethereum). Skilled in building scalable, user-centric applications with clean architecture, secure backend systems, and intuitive interfaces. Actively involved in technical projects, leadership roles, and campus initiatives.

## EDUCATION

**Indian Institute of Technology, Bhilai** — B.Tech in Computer Science & Engineering   Jul 2023 – Present

## TECHNICAL EXPERTISE

**Frontend:** React, Next.js, TypeScript, Tailwind CSS, WebRTC, React Native

**Backend:** Node.js, Express.js, MongoDB, PostgreSQL, Prisma, GraphQL

**DevOps & Cloud:** Docker, AWS, Linux, CI/CD, Kubernetes

**Blockchain:** Solidity, Ethereum, Solana, Web3.js, Smart Contracts

**AI/ML:** Python, scikit-learn, PyTorch, LLMs

## FEATURED PROJECTS

### Muser (Social Music Platform)

- Built real-time platform where users join rooms, vote on songs, and collectively decide playlists.
- Implemented interactive voting system with seamless UI/UX for group experiences.
- **Technologies:** React, Next.js, Node.js, Tailwind CSS

#### Chat Application

- Developed secure real-time messaging platform with authentication, media sharing, and group/private chats.
- Integrated Cloudinary for media storage and Pusher for live updates.
- **Technologies:** React, Next.js, Tailwind CSS, MongoDB, Pusher, Cloudinary, NextAuth

#### Medium Clone

- Created online publishing platform with content monetization and responsive design.
- Engineered backend with Prisma ORM and PostgreSQL for scalability.
- **Technologies:** TypeScript, React, Redux, Node.js, Express, PostgreSQL, Prisma

#### Basic Paytm Clone

- Designed digital wallet app with secure payment processing and rollback support.
- Ensured real-time transaction updates and reliable database handling.
- **Technologies:** React, Node.js, Express, MongoDB, Tailwind CSS

#### SolDrop

- Created Solana Devnet SOL airdrop tool with wallet integration.
- Implemented blockchain transaction handling with user-friendly UI.
- **Technologies:** Solana, React, Wallet Adapter

## LEADERSHIP

- **Campus Placement Team, IIT Bhilai** — Contributor to web development and maintenance of placement website.
- **Hostel Representative, Kanhar Hostel IIT Bhilai (2023–Present)** — Managed operations for 200+ residents; coordinated events and administration.
- **Event Coordinator, Radio Meraz IIT Bhilai** — Oversaw logistics and participant engagement for campus events.
- **Member, TPS Photography Club IIT Bhilai** — Documented campus activities and technical/cultural events.
- **PR Team, College Fest IIT Bhilai** — Handled outreach, sponsor coordination, and promotional campaigns.

## CURRENT WORKS

- **Campus Placement Website** — Maintaining and upgrading IIT Bhilai's placement portal to streamline recruiter-student interactions.
- **IIT-Bhilai-Meru-Conference Website** — Developing a website for the IIT Bhilai Meru Conference to provide details, schedules, speakers, and registration information, improving accessibility and outreach for participants and attendees.

## CERTIFICATIONS

- **Full Stack Web Development (100xDevs)** — Comprehensive training in web technologies.
- **Master Linear Data Structures (Codedamn)** — In-depth DS implementation.
- **Master Non-Linear Data Structures (Codedamn)** — Trees, graphs, and complex DS.
- **Mastering Algorithms (Codedamn)** — Algorithmic design and optimization.