

Siddhant Singh

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SUMMARY

Motivated computer science student with strong full-stack development skills in the MERN stack and a background in building real-time and data-driven applications. Proficient in API development, authentication, deployment workflows, and collaborative development tools. In search of an opportunity to contribute to impactful software projects while continuing growth and learning.

SKILLS

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|----------|--------------|-----------|
| • Java | • JavaScript | • React |
| • Nextjs | • Git | • MongoDB |
| • SQL | • Rest APIs | • Docker |

PROJECTS

- Esports Scrim Matchmaker**

2024 – 2025
- real-time esports scrim matchmaking platform*
- Built a real-time esports scrim matchmaking platform using **MERN + Socket.IO**, matching BGMI/Valorant teams by rank, region, and availability.
 - Implemented **JWT-based authentication, RBAC**, and a **Redis-backed matching queue** for scalable lobby coordination.
 - Developed **map veto, lobby countdown, and dispute resolution workflows**, improving match reliability and reducing manual coordination.
 - Deployed on **MongoDB Atlas + Render/Vercel**, ensuring low-latency interactions and stable real-time performance.
- Route Buddy – Shared Commute System**

2025
- shared commute pooling platform*
- Developed a **shared commute pooling platform** for college/office users, matching riders by route similarity and time window using **MongoDB 2dsphere geo-indexing**.
 - Built **real-time ride confirmation lobbies** and trip coordination flows using **Socket.IO** , improving communication efficiency among co-riders.
 - Integrated **UPI payment split links** and **SOS + guardian-share safety features** to support secure and transparent shared travel.
 - Deployed with **MERN + JWT auth** architecture on **Vercel/Render + MongoDB Atlas**, optimized for mobile-first performance.