

Md Adil

[Portfolio](#) [+91 9773703018](#) [✉ adilshaikh4064@gmail.com](mailto:adilshaikh4064@gmail.com) [X\(Twitter\)](#) [LinkedIn](#) [Github](#) [Leetcode](#)

Summary

Customer-focused full-stack engineer passionate about solving complex problems, optimizing large-scale systems, and designing reliable **distributed systems** grounded in strong **algorithmic foundations**.

Education

National Institute of Technology, Patna <i>B.Tech in Computer Science, CGPA: 7.82</i>	Dec 2021 – Jun 2025 <i>Patna, Bihar</i>
Delhi Public School <i>Central Board of Secondary Education, Delhi</i>	2020 <i>Percentage: 86.60</i>
Sainik School Ghorakhal <i>Central Board of Secondary Education, Delhi</i>	2018 <i>Percentage: 90.60</i>

Experience

Composio - Agent Orchestrator **Remote**
Core Contributor *March 2026 – Present*

- Designed and implemented **AO's notification** platform with semantic event payloads, routing presets, setup/test tooling, dashboard streaming, desktop notifications, and Slack/Discord/Gmail/webhook integrations.
- Diagnosed and optimized AO's GitHub API usage with tracing, ETag guards, caching, and polling consolidation, increasing practical concurrency from **10** to **50+** sessions per PAT.
- Ranked among the **top 10 contributors** to Agent Orchestrator, delivering core improvements across notifications, GitHub API efficiency, and developer workflow reliability.

Personal Projects

Agent Guardrails Protocol **Live | GitHub**

- Built an on-chain policy layer for **Solana AI agents** using **Anchor/Rust**, enforcing program allow-listing, per-transaction limits, and rolling daily spending budgets.
- Implemented real-time threat monitoring with **Helius webhooks**, **Claude AI judge**, and **SSE** dashboard updates, enabling suspicious agents to be paused on-chain in **<3s**.
- **Tech Stack:** Next.js 14, TypeScript, Rust, Anchor, Solana, Express.js, Node.js, Prisma, PostgreSQL, Helius, SSE, Tailwind, shadcn/ui.

Real-Time Collaborative Whiteboard **Live | GitHub**

- Developed a real-time **collaborative whiteboard** supporting drawing, text, shapes, undo/redo, and zoom/pan.
- Enabled multi-user collaboration with live cursors and conflict resolution, achieving **<300ms** latency for **95%** sessions.
- Optimized event handling to support **1,000+** concurrent users with stable sync and minimal server load.
- **Tech Stack:** Next.js, TypeScript, TailwindCSS, Zustand, WebSockets, IndexedDB, PostgreSQL.

Technical Skills

Coursework: Data Structures and Algorithms, OOPs, Operating System, **Distributed Systems**.

Languages: C++, TypeScript, Rust, Python.

Technologies: React, Next.js, **FastAPI**, Git, Docker, WebSockets, Redis, PostgreSQL, REST API.

Positions of Responsibility

Sports Coordinator: Basketball

- Organized and coordinated institute-wide intramural basketball championship across multiple departments.

Vista Photography Club

- Participated and organized various fest events; managed team coordination and photography planning.

Achievements

- Solved **1000+** **DSA problems** across platforms; consistently performed well in competitive programming contests.
- Active competitive programmer: **Knight** at **LeetCode** with rating **1850+** across **50+** contests.
- Ranked under **200** in LeetCode Weekly Contest **485**.