

Navnath Kadam

Software Engineer — Full Stack & Backend

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LinkedIn: [linkedin.com/in/navnath-kadam-883a57288](https://www.linkedin.com/in/navnath-kadam-883a57288) — **GitHub:** github.com/ndk123-web — **LeetCode:** leetcode.com/Ndk18

PROFESSIONAL SUMMARY

Computer Engineering undergraduate with strong DSA fundamentals and hands-on full-stack/backend experience. Built and deployed 15+ production-style projects including distributed RPC systems, real-time applications, and AI-integrated platforms.

EXPERIENCE

Automation Engineer Intern May 2026 – Present
Autonova AI Remote, Mumbai

- Architected an automated Reddit lead-generation pipeline using Python, processing and validating 500+ daily posts to streamline user acquisition.
- Optimized backend data flow and API endpoints for the Body Athlete fitness platform, ensuring sub-second response times.

PROJECTS

FlowFrame – Distributed Systems Simulator Jan 2026 – Jul 2026

GitHub: github.com/ndk123-web/flow-frame — Live: flowframe.taskplexus.app

- Architected interactive simulator visualizing 8 backend components (API Gateway, Load Balancer, Redis, PostgreSQL, Message Queues, Microservices) with real-time execution.
- Engineered backend services using **Rust/Axum** with **MongoDB**; implemented failure injection, caching strategies, and connection pooling.
- Tech:** Rust, Axum, Tokio, Node.js, Next.js, TypeScript, MongoDB

TaskPlexus – AI Todo Planner Nov 2025 – Dec 2025

GitHub: github.com/ndk123-web/taskplexus

- Engineered full-stack task management with Redis caching layer, cutting database read latency by 90% (10x faster reads).
- Integrated Razorpay webhooks with idempotency keys and database transactions, eliminating duplicate payments.
- Tech:** Go, PostgreSQL, MongoDB, React.js, Redis, Razorpay APIs

Study Sync – AI Learning Platform Aug 2025 – Nov 2025

GitHub: github.com/ndk123-web/study-sync-ai

- Built AI-powered learning platform processing PDFs and YouTube videos into structured summaries and quizzes using Gemini API.
- Designed real-time communication pipeline with WebSocket and Kafka, enabling instant content delivery across concurrent study sessions.
- Tech:** React.js, FastAPI, Node.js, MongoDB, TensorFlow, Redis, Kafka

JSON RPC Engine May 2025 – Jul 2025

GitHub: github.com/ndk123-web/ndk-rpc-cluster — NPM: [npmjs.com](https://www.npmjs.com)

- Designed and published auto-scaling JSON-RPC engine as open-source npm package; implemented dynamic load balancing with health-check failover.
- Tech:** Node.js, Express

TECHNICAL SKILLS

Languages: Go, Rust, Python, JavaScript (ES6+), TypeScript, SQL

CS Fundamentals: Data Structures & Algorithms, OOP, System Design, DBMS, Operating Systems, Distributed Systems, Microservices

Full Stack: Node.js, Express.js, FastAPI, Go, React.js, Next.js, PostgreSQL, MongoDB, Redis, GraphQL, WebSockets

AI & DevOps: LLM Integration, AI Agents, TensorFlow, RAG, Docker, AWS, GitHub Actions, CI/CD, Linux, Git

Also Familiar: Django, C++, Java, Firebase

EDUCATION

Vidyalankar Institute of Technology, Mumbai — B.Tech Computer Engineering Jul 2023 – Jun 2027 CGPA: 9.3/10

Ramnivas Ruia College, Matunga — HSC Jul 2021 – Jun 2023 79%

Dharmaprakash Shreenivas High School, Sion — SSC Jul 2020 – Jun 2021 93%

ACHIEVEMENTS & CERTIFICATIONS

Winner – Cognition Clash (AI/ML Showdown) for StudySync AI;

Finalist – HackBuild 2025 (Top 11 of 400+ teams).

Certificate Google Cloud Certified (Generative AI, Pub/Sub, Data Processing, 2025).