

# Akash Kulkarni

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## Summary

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Full-stack developer with hands-on experience building scalable web applications using Next.js, TypeScript, Tailwind CSS, and Prisma. Committed to writing clean, maintainable code and delivering high-quality solutions by leveraging modern frameworks and best practices. Continuously exploring new technologies to enhance development efficiency, performance, and user experience.

## Technical Skills

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**Languages :** JavaScript, C++, TypeScript

**Frameworks:** Next.js, Express.js, Hono

**Libraries:** React.js , NextAuth , ShadCN , Prisma, ws, Redux

**Databases:** PostgreSQL, MySQL, Mongodb

**Developer Tools:** Git, Docker, Github

## Projects

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### Real-time Chat Application

Developed a full-stack, real-time chat application using a monorepo architecture with Next.js, Node.js, and TypeScript.

- Implemented real-time messaging and group management via WebSocket server and Redis Pub/Sub.
- Designed scalable PostgreSQL schema with Prisma ORM for users, groups, and messages.
- Enabled group creation, membership management, private chats, and admin controls.
- Tech Stack: React, Redux, Tailwind CSS, Node.js, PostgreSQL, Prisma, WebSocket.

### Microblogging Platform

Developed a social platform for users to create accounts, share posts, and interact with each other using Hono

- Dashboard: Displays posts from all users and a separate tab for posts from followed users.
- User Profiles: View an author's posts, followers, and following.
- Post Details: Detailed view of posts with additional context upon clicking.

### StudyPal: AI-powered study chatbot

Built an AI-powered study chatbot that delivers streamed, context-aware responses using Google Gemini AI, enhancing user engagement and personalized learning.

- Managed persistent chat functionality (creation, renaming, deletion, and sharing) using MongoDB.
- Enabled shareable chat links where users can view and continue the chat in their own account.
- Tech Stack: React, Next.js, Mongoose, Redux

## Education

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### G. H. Raisoni College of Engineering and Management

Bachelor of Technology in Computer Science and Engineering (AIML)

Pune, Maharashtra

November 2022 - Present

### Rajarshi Shahu Junior Science College

XII - HSC Board

Latur, Maharashtra

March 2022

### Shri Keshavraj Madhyamik Vidyalaya

X - SSC Board

Latur, Maharashtra

March 2020