

# Kishan Kokal

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## EDUCATION

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### Thadomal Shahani Engineering College

*Bachelor of Engineering, Major in Computer Engg.*

Mumbai, MH

*Jun 2024*

### Shri T.P. Bhatia Junior College Of Science

*HSC, Bifocal in Computer Science*

Mumbai, MH

*Jun 2020*

## PROJECTS

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### Video Sharing Platform | *Next.js, Express.js, Docker, FFmpeg, Firebase, Google Cloud*

Ongoing

- The project involved creating a user-friendly video sharing platform.
- Stored both raw and processed videos uploaded by users on Google Cloud Storage. Used Google Cloud Pub/Sub to send messages to the video processing service whenever new videos were uploaded.
- Hosted a non-public video processing service on Google Cloud Run.
- Transcoded uploaded videos to reduce bandwidth consumption. Uploaded transcoded videos back to Cloud Storage for storage and distribution.
- The project continues to evolve, with development efforts focused on achieving upcoming milestones and enhancing user experience.

### Digital Avatar of Hemen Parekh | *React, Django, MongoDB, Docker*

- Migrated the codebase from using jQuery to React, resulting in improved code maintainability and enhanced user experience.
- Utilized best practices and React's component-based architecture to enhance modularity and reusability, making future feature development more efficient.
- Orchestrated the transition from a traditional dedicated server to a server-less architecture using Google Cloud Run.
- Leveraged Docker containers to package and deploy the application, ensuring consistency across environments and simplifying deployment processes.
- Utilized Google Cloud Run to host and auto-scale the application, optimizing resource utilization and eliminating the need for manual server maintenance.
- Utilized MongoDB's schema-less architecture to adapt to evolving data requirements and improve query performance.
- The project's successful completion resulted in a more robust, scalable, and cost-effective digital avatar of Hemen Parekh. The migration to React, serverless architecture on Google Cloud Run, and MongoDB enhanced the application's performance, user experience, and maintainability. These improvements set the stage for future development and growth, ensuring the platform's long-term viability and continued success.

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, HTML, CSS

**Frameworks:** React, Django, Express

**Developer Tools:** Git, GitHub, Docker, Google Cloud Platform, VS Code

**Databases:** MongoDB, Firebase Firestore

## ACHIEVEMENTS

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- Solved 350+ questions on LeetCode
- LeetCode Rating - 1506 (in top 36% globally)