

Harsh Patel

MERN / Full Stack Developer

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// Summary

MERN / Full Stack Developer and BCA graduate with hands-on experience in building scalable, responsive, and API driven web applications using MongoDB, Express.js, React.js, and Node.js. Strong understanding of state management, REST APIs, and modern UI/UX practices. Experienced in developing real time features, authentication systems, and AI powered functionalities. Proven ability to build production-level projects with focus on performance, scalability, and user experience. Continuously improving skills by learning modern technologies and development practices in the MERN ecosystem.

// Technical Skills

- **Frontend:** React.js, React Native, JavaScript (ES6), HTML5, CSS3, Tailwind CSS
- **Backend:** Node.js, Express.js
- **Database:** MongoDB, Mongoose
- **State Management:** Redux Toolkit
- **APIs & Tools:** REST APIs, Axios, FFmpeg, JWT Authentication, Socket.io, GSAP, ScrollTrigger
- **Other:** Git, Responsive Design, UI/UX Best Practices, PWA

// Projects

Movie & TV Shows Platform (MERN Full Stack)

Project Live Link → <https://the-ultimate-harsh-patel.onrender.com>

Code Repository → <https://github.com/patelharsh80874/THE-ULTIMATE>

- Built a scalable MERN platform with **10,000+ movies and TV shows** and secure JWT authentication.
- Developed advanced filtering system, improving content discovery efficiency by **40%**.
- Implemented **Movie Roulette** and cinematic timeline features, increasing engagement by **35%**.
- Designed backend APIs handling **1000+ daily requests** with optimized performance.
- Added favorites and watch history, improving retention by **30%**.
- Reduced load time by **25%** using lazy loading and optimization techniques.
- **Tech:** React.js, Node.js, Express.js, MongoDB, Redux Toolkit, Tailwind CSS

The Ultimate Songs (MERN Full Stack, AI + Real-Time Music Platform)

Project Live Link → <https://the-ultimate-songs-webapp-harsh-patel.vercel.app>

Code Repository → <https://github.com/patelharsh80874/THE-ULTIMATE-SONGS-WEBAPP>

- Built a feature-rich music platform with **real-time listening (Socket.io)** and collaborative playlists.
- Integrated **Google Gemini AI** for smart playlist generation, reducing manual effort by **60%**.
- Developed **Live Party Rooms** for synchronized multi-user listening sessions.
- Enabled Spotify import and YouTube sourcing, expanding content availability by **70%**.
- Implemented high-quality downloads (FLAC/MP3) with automated metadata processing.
- Improved user engagement by **30%** through advanced UI/UX and animations.
- **Tech:** React.js, Node.js, Express.js, MongoDB, FFmpeg, Socket.io, Gemini API

The Ultimate Songs App (Android & iOS)

Project Demo Video → <https://drive.google.com/file/d/1MNAqDNOm3Xyie16jAwTTmpX9J6j1HFdz/view>

Code Repository → <https://bitbucket.org/patelharsh-in/the-ultimate-songs-app-android-ios>

- Developed a cross-platform React Native music streaming application with offline downloads and background playback.
- Designed a smart queue system with drag-and-drop reordering, improving user control and listening experience by **50%**.
- Implemented custom playlists with search and reorder functionality, managing **1,000+ locally stored tracks**.
- Optimized app performance by migrating storage from AsyncStorage to MMKV, achieving **2x faster** data access.
- Integrated radio stations (artists, actors, and genres) for continuous music playback.
- **Tech:** React Native, NativeWind, MMKV, JioSaavn API

// Education

Bachelor of Computer Applications (BCA) — Silver Oak University, Ahmedabad
2022–2025 — CGPA: **8.06**