

UTKARSH KATIYAR

Software Engineer

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Education

Dr. Ambedkar Institute of Technology, Kanpur

Aug 2021 – May 2025

Bachelor of Technology, Computer Science & Engineering

Experience

Initializ Labs

May 2024 – Present

Software Development Engineer I

Gurugram / Kanpur

- Shipped and maintained production-grade **React, Next.js and React Native** features for multiple clients and internal products, focusing on dashboards, data-driven UI, scalable component architecture and role-based interfaces.
- Worked on core modules for **Project, Lead, and Task Management**, interactive **2D/3D Visualizer**, **RBAC components**, and **calendar-driven drag-enabled timelines** for **Colonelz Constructions CRM**.
- Owned features end-to-end — from gathering requirements with stakeholders to implementation and deployment — with solutions actively used by **100+ daily users**, reducing iteration cycles and improving feature delivery speed.
- Independently delivered **loan calculators**, **monetary analysis dashboards**, and improved user journeys for **Loan Network** across **React Native mobile app** and **Next.js web app**.
- Built **Next.js 15 / TypeScript** frontend for **Promitheia Groups**, delivering **role-based dashboards**, Multi Step renewal workflows, **financial analytics**, Bulk Excel ingestion, and **Auth0 + CASL**-based access control.
- Collaborated cross-functionally while contributing to **initializ.ai** and other client products, resolving production issues and implementing enhancements using **React, Next.js, and TypeScript**.

Technical Skills

- **Languages:** Java, JavaScript, TypeScript, HTML5, CSS3
- **Frameworks/Libraries:** React, Next.js, React Native, Node.js, Express.js, Tailwind CSS, Redux Toolkit, Zustand, TanStack Query, SWR, NextAuth, TipTap, Mongoose
- **Backend/Auth:** RESTful APIs, JWT, OAuth, MVC Architecture, WebSockets
- **Databases/Cloud:** MongoDB, Firebase, AWS (S3, EC2), Docker, Linux, Vercel, Netlify
- **Testing/Tools:** Jest, Unit Testing, Git/GitHub, Postman, CI/CD (GitHub Actions), Vite, ESLint, VS Code, Agile/Scrum

Projects

DevFails | *Next.js 15, TypeScript, Tailwind CSS, MongoDB, SWR*

[GitHub](#) | [Preview](#)

- Built DevFails, a full-stack platform for sharing developer mistakes with rich-text editor (TipTap V3), threaded comments, voting, trending tags, advanced search, and user profiles.
- Integrated NextAuth (GitHub, Google, Credentials), implemented structured error handling, request logging, lazy loading, caching, query optimizations, and SEO-friendly sitemap, achieving **95+ Lighthouse score**.

DiversEnable | *MERN, Firebase, Google OAuth, JavaScript, REST APIs*

[GitHub](#) | [Preview](#)

- Developed a collaborative platform connecting specially-abled users with jobs, scholarships, and government schemes, supporting posts and comments using Node.js/Express, MongoDB/Mongoose, React (Vite), and Tailwind.
- Implemented authentication with JWT and Firebase OAuth, role-based access with protected routes, and separate admin and user dashboards for managing profiles and content.
- Recognized as one of the **Top 100 Projects** at the **GDSC India Regional Bootcamp** out of **1,000+ entries**.

NotMyFault | *React, Node.js, Express, Tailwind CSS, Groq API, Firebase*

[GitHub](#) | [Preview](#)

- Built an AI-powered excuse generator supporting multi-tone (Professional, Casual, Funny, Emergency), recipient/urgency context, three length variants, follow-up handling, and excuse enhancement via Groq's LLaMA 3.1.
- Developed a full-stack PWA with React/Vite and Node.js/Express, featuring structured REST APIs, prompt engineering, history tracking, WhatsApp sharing, multilingual support, and Firebase deployment.

Key Achievements and Leadership Roles

- Secured a global rank of **774** in CodeChef April Starters 85 (2023) among **15,000+ participants**, demonstrating strong algorithmic and competitive programming ability.
- Served as **GDSC Lead** (2023–24) and **Co-organizer at GDG Kanpur** (Dec 2023–Present), organizing developer events, mentoring peers, and expanding community engagement.
- Solved **300+ coding problems** on LeetCode, CodeChef, HackerRank and GeeksforGeeks, covering data structures and algorithms, including arrays, trees, graphs, recursion, and optimization techniques.