Utkarsh Raj Mishra

LinkedIn: linkedin.com/in/utkarsh-raj-mishra-3b7018283
Github: github.com/Utkarshrajmishra

Peerlist: peerlist.io/utk_075
Mobile: +91-7521859385
Email: utkarshrajmishra811545@gmail.com

EDUCATION

- **Galgotias University** — Greater Noida, India
  Master of Computer Application: SGPA: 8.9 — *Nov 2023 - June 2025*
- **Marwar Business School** — Gorakhpur, India
  Bachelor of Computer Application: GPA: 7.4 — *Nov 2019 - June 2022*

SKILLS SUMMARY

- **Languages**: TypeScript, JavaScript, SQL, Java, HTML, CSS
- **Libraries & Frameworks**: React, Nextjs, TailwindCSS, Redux, Nodejs , Expressjs
- **Tools**: Git, Github, PostgresSQL, Firebase, Supabase, Prisma
- **Platforms**: Linux, Web, Windows
- **Soft Skills**: Leadership, Event Management, Writing, Public Speaking, Time Management

PROJECTS

- **KeyboardWars - Click here**:

  - Designed and developed KeyboardWars, a competitive typing platform that enhances users' typing skills through real-time analytics and friendly challenges.
  - Implemented scalable real-time multiplayer functionality using WebSockets and Socket.io, enabling users to compete in live typing battles with synchronized game states, WPM tracking, and in-room chat support.
  - Optimized performance and SEO using Incremental Static Regeneration (ISR), Suspense-based lazy loading and local storage, ensuring fast load times, smooth user experience, and fresh content updates without compromising speed.
  - Developed a dashboard with interactive charts to help users track their progress over time, including WPM trends, accuracy, and challenge history.
  - Implemented secure authentication with NextAuth.js and JWT for seamless user sessions, enabling protected access and ensuring data integrity. The platform currently has 17 active users, demonstrating real-world adoption and scalability.
  - Tech: Next.js, TypeScript, WebSockets, Supabase, Auth.js, Recharts, TailwindCSS, Nodejs, Express.

- **Algochunk - Click here**:

  - Designed a platform offering 30 Data Structures and Algorithms (DSA) challenges, releasing one challenge per day to build consistent learning habits.
  - Build an interactive practice environment for front-end machine coding problems using a custom React editor, seamlessly integrated with the StackBlitz code editor for a smooth coding experience.
  - Enabled support for multiple programming languages with real-time code execution powered by the Google Gemini API and Judge0, fostering collaboration and knowledge sharing among users.
  - Implemented local storage solutions and caching, improving data persistence and reducing retrieval time.
  - Tech: HTML, CSS, TypeScript, TailwindCSS, Shadcn, React, Firebase, React Router, Zod, Zustand, React Hook Forms, Google Gemini API, Judge0 API.

- **XCode - Click here**:

  - Developed a collaborative online code execution platform that enables users to write and run code in multiple programming languages with real-time execution.
  - Integrated Judge0 API to provide instant code execution and syntax checking, ensuring a smooth development experience.
  - Implemented Socket.io for real-time collaboration, allowing multiple users to code together seamlessly.
  - Added WebRTC-powered video chat, enabling smooth communication while collaborating on code.
  - Designed with three customizable themes, enhancing the user experience with a visually appealing interface.
  - Tech: HTML, CSS, TailwindCSS, TypeScript, React, Judge0, Socket.io, WebRTC, Express, Node.js.

CERTIFICATIONS

- The Complete JavaScript Course 2024: From Zero to Expert! (Udemy)
- React: Beginner to Advanced (Educative)
- Advance React (Educative)

ACHIEVEMENTS

- GitMap (Commit and Branch Visualizer) achieved Rank 5 on Peerlist Week 6 among 50+ competing projects.
- GeeksForGeeks Rank: 460
- Smart India Hackathon Semi-Finalist - Achieved Rank 5 among national-level competitors.