Kushagra Sharma

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SUMMARY*

I'm a Computer Science graduate with a passion for web development and hands-on experience in building responsive web applications using Next.js, React, Tailwind CSS, and TypeScript. Skilled in server-side rendering, API integration, and writing clean code. I've worked with a wide range of technologies across different areas, demonstrating versatility and adaptability. I enjoy collaborating with teams to deliver high-quality projects and am eager to grow in a professional development role.

TECHNICAL SKILLS*

- Programming Languages: JavaScript, TypeScript, Python
- Frontend: React.js, Next.js, Tailwind CSS, HTML5, CSS3, SASS
- Backend: Node.js, Express.js, REST APIs, GraphQL
- Databases: MySQL, PostgreSQL, MongoDB
- Version Control: Git, GitHub, BitBucket, GitLab
- Dev Tools: VSCode, NeoVim, IntelliJ IDEA, Linux (Arch), Docker, Kubernetes
- Other: Server-Side Rendering (SSR), Static Site Generation (SSG), CI/CD (GitHub Actions, Jenkins), Authentication (OAuth, JWT)
- Cloud Services: Vercel, Netlify
- Testing: Jest, Cypress, React Testing Library
- Soft Skills: Problem-Solving, Communication, Team Collaboration, Time Management, Adaptability

EDUCATION*

- **Bachelor of Computer Science & Engineering**
  MITRC, 6th Mile Stone, Alwar, Rajasthan
  Bikaner Technical University, Bikaner, Rajasthan
  Relevant Coursework: Machine Learning Industrial Training

- **Harvard's CS50: Introduction to Computer Science**
  ◦ Platform: edX
  ◦ Description: Comprehensive introduction to computer science and programming, covering topics such as algorithms, data structures, software engineering, and web development.

PROFESSIONAL EXPERIENCE*

PERSONAL PROJECTS

- **Personal website** – Nov 2024 – Dec 2024
  o Designed and developed a dynamic portfolio application using Next.js and TypeScript, enhancing user experience through server-side rendering and static site generation.
  o Seamlessly integrated Prisma for efficient database management, and implemented advanced authentication mechanisms with NextAuth.js, supporting Google, GitHub, and credentials-based logins.
  o Utilized Tailwind CSS and Shadcn UI for creating responsive and accessible UI components, while incorporating libraries such as react-markdown and Sharp to enhance functionality and user engagement.

- **Vid Stream App** – Dec 2024
  o Developed a high-performance video streaming platform using Next.js, leveraging server-side rendering to optimize load times and user experience.
  o Utilized TypeScript extensively for robust and scalable code development, integrating advanced libraries such as Prisma, Shadcn UI, and Zustand to enhance functionality and maintainability.
  o Implemented responsive and dynamic UI components with Tailwind CSS and React, ensuring a seamless and engaging user interface, while incorporating tools like Clerk for user authentication and LiveKit for real-time video streaming.

- **TDA Docs App** – Dec 2024
  o Architected and developed a Google Docs-like platform using Next.js and TypeScript, implementing real-time collaborative document editing and a fully responsive design optimized for all devices.

- o Integrated various libraries and tools such as Liveblocks for real-time collaboration, Tiptap for rich text editing, and Shadcn UI for accessible and customizable UI components, ensuring a seamless user experience.
- o Employed Bun package manager for a fast and lightweight architecture, and utilized advanced TypeScript features to ensure type safety and maintainability, resulting in a robust and scalable application.

LEADERSHIP EXPERIENCE*

- Actively led and contributed to various open-source projects by fixing bugs, optimizing performance, and adding features to repositories on GitHub, demonstrating strong technical and collaborative skills.
- Engaged in community discussions to share knowledge, provide support, and mentor other developers, fostering a collaborative and learning-oriented environment.
- Successfully led multiple college projects, managing all aspects from planning and development to deployment, showcasing leadership, project management, and technical expertise.
- Guided and taught friends different technologies and programming concepts, helping them enhance their skills and successfully complete their projects.

CERTIFICATIONS*

- **SIH Finalist:** Smart India Hackathon 2022
- **LinkedIn Assessment**: C, JavaScript, React.js, Django, Linux
- **HackerRank**: Problem Solving, JavaScript, Python, CSS

LANGUAGES*

- **Hindi** (Native)
- **English** (Full Professional Proficiency)