Sumit Shandillya

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EDUCATION

Indian Institute of Technology (BHU), Varanasi   Uttar Pradesh, India
Bachelor of Technology   *Oct. 2022 – June 2026*

DAV Public School, Faridabad   Haryana, India
Secondary and Senior Secondary   *June 2021*

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, Typescript
Frontend and Backend: ReactJS, NextJS, NodeJS, ExpressJS, MongoDB, PostgreSQL, Redis, GraphQL
DevOps: Docker, Kubernetes, AWS, Jenkins
Computer Fundamentals: Operating System, DBMS, Computer Networks, System Design

EXPERIENCE

Games And Sports Council, IIT (BHU) Varanasi   Dec 2023 – Present
Tech Team Executive   *Website*
- Developed and designed a dynamic website for GSC using **ReactJS** and **Tailwind CSS** and reduced page load time by **50%**.
- Implemented user-friendly features such as video player, carousel, and photo galleries using **Framer Motion**.

Jagriti - Social Awareness Event, IIT (BHU) Varanasi   Dec 2023 – Mar 2024
Tech Team Executive
- Crafted and implemented a personalized user profile page for Jagriti, leveraging **Firebase** .
- Engineered a robust authentication system and integrated real-time data fetching from **Firebase Firestore**, reducing login **errors by 70%**.

Kashiyatra, IIT (BHU) Varanasi   Nov 2023 – Jan 2024
Tech Team Executive   *Website*
- Development of interactive components and a seamless login and signup experience using **React.js** and **GSAP**.
- Successfully deployed website for Kashiyatra that attracted and served over **70,000 visitors**, optimizing website performance and **scalability by 60%**, handling a peak traffic load of **15,000 users** simultaneously.

PROJECTS

Squad Hub | Github | Live | *ReactJS, MongoDB, ExpressJS, SocketIO*   March 2024
- Built a feature-rich social platform using **MERN** stack, enabling **JWT-based authentication**, post management, user interactions like likes/comments, and account freezing.
- Implemented a real-time messaging using **SocketIO**, Image and Video upload using **Cloudinary**.
- Implemented **Docker** containerization for the core application, optimizing resource utilization and scalability; built a **CI/CD pipeline** with **GitHub Actions**, resulting in a **35%** decrease in deployment errors.

Code Quest | Github | Live | *NextJS, MongoDB, WebRTC, SocketIO*   March 2024
- Developed Code Quest, an online coding platform featuring problem-solving, contests, and collaborative live coding using **NextJS**, **MongoDB**, and **WebRTC**
- Implemented real-time audio/video code synchronisation with **SocketIO**, code testing via JDoodle API.
- Enabled users to create & share code snippets, users can **write and compile webpages** and added learning docs.

Site Sync | Github | Live | NodeJS, AWS, Redis   Feb 2024
- Developed a system to automate deployment of Github repositories using **NodeJS**, **Docker**, **AWS ECR** and **AWS ECS**, ensuring efficient resource management and cost reduction.
- Implemented a **Custom Reverse Proxy** to stream static assets from **AWS S3** preventing server overloads.
- Established a real-time log collection with **Redis** caching, significantly reducing data retrieval time by **50%**.

CODING PROFILES

- Achieved a 3-star rating of 1622 on **Codechef** (shan4325).
- Ranked in the top 18% of users with a rating of 1630 on **Leetcode** (sumitsh28)