

SUBRAT YADAV

Full Stack Developer

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WORK EXPERIENCE

Freelancer Full Stack Developer

Remote | May 2024 – Aug 2024

- Architected a **full-featured school app** using React.js, Node.js, and MongoDB, streamlining **student management, attendance tracking, and grading** for **500+ students**.
- Optimized UI/UX with **Tailwind CSS** and **Shadcn**, driving a **30% increase in user engagement**.
- Established **real-time updates** using **WebSockets**, boosting interaction by **25%**.
- Implemented **secure user authentication** and **authorization with role-based access control**, reducing unauthorized access attempts by **40%**.

Open-Source Contributor

Hacktoberfest'23, GirlScript Summer of Code'23 (Remote) | May 2023 – October 2023

- Engineered **7 new components** across **5 open-source projects**, significantly enhancing code quality and resolving **20+ bugs**.
- Accelerated project performance by **30%** through **code refactoring** and **optimized workflows**, benefiting **2,000+ users**.
- Achieved **cross-browser compatibility**, improving **user satisfaction** by **35%** with a consistent **UI across platforms**.

PROJECTS

StartSphere - A Solution for Emerging Entrepreneurs | React.js, Flowbite, Tailwind CSS, Node.js, Socket.io, NLP, ML

- Spearheaded a **multi-feature web app** for **startups** with **ML-based friend suggestions, real-time chat**, and sections for **posts, networking, resource library, user profiles, and event management**, improving networking by **50%**.
- Crafted a **responsive frontend** using **React.js** and **Tailwind CSS**, providing a seamless user experience for **1,000+ users**.
- Designed a scalable Node.js backend** with **Socket.io**, facilitating **seamless real-time communication** for **over 1,000 users** and reducing latency by **20%**.
- Catalyzed **investor interactions** by **50%** through **personalized ML-driven recommendations** and enhanced **networking features**.
- [Live Demo](#) | [GitHub](#) | [Project Overview](#)

Faculty Excellence Tracker - Automating Career Advancement for Higher Education Faculty | React.js, Node.js, D3.js

- Created a **system for faculty appraisal** using **predefined scoring formulas** and **career advancement recommendations**.
- Enabled **ORCID-based profile import, CSV uploads, and interactive dashboards** for performance tracking.
- Integrated with **LMS, HR, and research databases** for real-time data synchronization.
- Enhanced engagement via **incentive-based features** like **points, badges, and leaderboards**.
- [Live Demo](#) | [GitHub](#) | [Project Overview](#)

TechTrendz - A Solution for Tech Blogs | React.js, TailwindCSS, Shadcn, Redux, React Hook Form, TinyMCE, Appwrite

- Developed a **secure, responsive blog platform** with **React.js** and **Appwrite integration**, achieving a **40% rise in user engagement**.
- Incorporated **real-time editing** with **TinyMCE** and **efficient form handling** with **React Hook Form**, reducing code redundancy by **30%**.
- Streamlined **load times** by **80%** with **HTML React Parser**, significantly enhancing **user experience**.
- [Live Demo](#) | [GitHub](#)

ACHIEVEMENTS

- Led team **EndGame25** to secure **1st Place** among **1,515 candidates** in the [YourStory Digital Innovation Hackathon](#), building a MERN & ML-based startup ecosystem solution.
- Navigated team to secure **runner-up position** at [Smart India Hackathon \(SIH\) 2024](#), emerging as **top 6 finalist** among **150 participating teams** in designated problem statement.
- Finalist** at [Codex24 Hackathon](#), awarded [Certificate](#) of Recognition for outstanding contributions during **Hacktoberfest'23**.
- Solved **400+ DSA challenges** on **LeetCode** and **GeeksforGeeks**, excelling in **programming, graphs, and data manipulation**.

TECHNICAL SKILLS

- Frontend:** React.js, Redux, Tailwind CSS, Shadcn, HTML5/CSS3.
- Backend & Database:** Node.js, Express.js, RESTful APIs, WebSocket, MongoDB, Appwrite.
- Languages & Tools:** JavaScript (ES6+), C++, Java, Git, GitHub, VS Code, Postman.

EDUCATION

Bachelor of Engineering - Computer Science and Engineering (December 2021 – May 2025)

Dr. Bhimrao Ambedkar University, Agra, India

- Relevant coursework:** Data Structures and Algorithms, DBMS, Operating Systems, Computer Networks, Software Engineering.