

SHUBHAM SINGH

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🌐 Portfolio Website

ABOUT ME

Curious learner with hands-on experience in building responsive, **role-based** and scalable web apps. Focused on designing reliable and secure systems and integrate **machine learning** algorithms to apply and expand technical skills through practical, **team-driven** internship experiences.

EDUCATION

The National Institute of Engineering, Mysuru	Aug 2023 - Jun 2027 (Expected)
B.E. in Computer Science & Engineering, 3 rd yr - 8.6 GPA	
• Operating Systems, Database Management Systems	
• Data Structures, Algorithms, Computer Networks, OOPS	
Kendriya Vidyalaya COD chheoki, Prayagraj (CBSE)	
• Class 12 th (PCMC) - 94.6%	Apr 2021 - Mar 2022
• Class 10 th - 89.4%	Apr 2019 - Mar 2020

PROJECTS

KhataBook - View GitHub	Mar 2025 - Jun 2025
• Inspired by the original KhataBook, a full-stack ledger management app built for learning, and showcasing real-world backend practices.	
• Technologies: Node.js, EJS, Express, MongoDB, JWT, bcrypt, caching, TailwindCSS.	
• Optional passcode encryption for sensitive records, which auto-locks after 5sec.	
• Triple-layer data validation using JavaScript, Joi in express routes, and database schema level.	
• Animated splash screen for brand touch.	
Utsav (Campus Engagement Platform) - View live demo	Apr 2025 - May 2025
• UTSAV is a modern, full-stack web app implementing RBAC (role-based access control) to provide a centralized platform for organizers and participants to engage seamlessly in events of all scales, within an organization and help in marketing, analytics and management of events.	
• Technologies: React, Firebase, Firestore, caching, TailwindCSS, UI design.	
Personal Portfolio - View live	Oct 2024 - Apr 2025
• Designed and developed a fully responsive personal portfolio using React, TailwindCSS to showcase my projects, skills, and experience.	
• Focused on clean UI/UX, smooth scrolling, light/dark mode and mobile optimization.	
• Contact form validation using custom algo. and Gemini API to prevent spamming.	

TECHNICAL SKILLS

- **Web Development:** React, Node.js, JWT, RBAC, TailwindCSS & GSAP
- **Databases:** MySQL, Firestore, MongoDB
- **Languages:** JavaScript, Python, C++
- **Machine Learning:** PaddleOCR, Data Visualization (e.g., Matplotlib, Seaborn)
- **Tools:** Firebase, Express, Git, GitHub, Slack,

LANGUAGES

- English
- Hindi