

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, 3rd yr - 8.6 GPA

- Operating Systems, Database Management Systems
- Data Structures, Algorithms, Computer Networks, OOPS

Kendriya Vidyalaya COD chheoki, Prayagraj (CBSE)

- Class 12th (PCMC) - 94.6%

Apr 2021 - Mar 2022

- Class 10th - 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