

# SHUBHAM SINGH

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## ABOUT ME

Curious learner and tech explorer with hands-on experience in building responsive, real-time and scalable web apps. Focused on growing skills in backend and machine learning. Eager 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, 2<sup>nd</sup> yr

- Operating Systems, Database Management Systems
- Analysis & Design of Algorithms, ARM processors, Django

**Kendriya Vidyalaya COD chheoki, Prayagraj (CBSE)**

• Class 12<sup>th</sup> - 94.6%

Apr 2021 - Mar 2022

• Class 10<sup>th</sup> - 89.4%

Apr 2019 - Mar 2020

## PROJECTS

**Scalable Video Intelligence System**

**Mar 2025 - Present**

- Built a role-based web platform that uses AI/ML to transform live camera feeds into actionable insights.
- Designed a modular dashboard with role-based access control for flexible service management. Reduced manual surveillance and attendance logging effort by up to 70%, significantly improving operational efficiency.

**Real-Time Energy Usage Monitoring System**

**Nov 2024 - Dec 2024**

- Developed a smart home energy tracking system featuring a real-time dashboard that visualizes energy usage patterns and sources, allowing users to identify energy waste and reduce consumption by 15% within one month.

**Coca-Cola Reimagined Website**

**Apr 2025 - May 2025**

- Designed a reimagined and interactive website using ReactJS, featuring GSAP animations and tailored UI/UX showcasing products and brand, to increase user engagement and time-on-site.

**Personal Portfolio**

**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.

## TECHNICAL SKILLS

- *Web Development: React, EJS, TailwindCSS, GSAP, Express.js*
- *Databases: MySQL, SQLite3, Firestore, MongoDB*
- *Languages: JavaScript, Python, Java, C*
- *Machine Learning: OpenCV, PaddleOCR, Data Visualization (e.g., Matplotlib, Seaborn)*
- *Tools: Firebase, Figma, Git, GitHub, Notion, Discord*

## LANGUAGES

- English
- Hindi