

# Nandini Soni

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Web development and IoT enthusiast with hands-on experience in full-stack projects, automation systems, and generative AI tools, passionate about solving real-world problems through technology integration.

## SKILLS

**Languages:** C, C++, Python, Java, SQL, JavaScript, HTML/CSS

**Tools & Platforms:** Git & GitHub, VS Code, IntelliJ IDEA, MySQL, MS Office, Arduino, Premiere Pro

**Libraries & Frameworks:** Pandas, NumPy, Matplotlib, Node.js, Turtle Graphics

**Technologies:** IoT, Sensors & Servo Motors, Machine Learning, Obfuscation Detection

## EXPERIENCE

**Ratlam Diesel Shed - Indian Railways** | *Web Developer Intern*

July 2023

- Designed and developed a responsive landing page for the Diesel Traction Training Center (DTTC), Ratlam.
- Created and integrated content sections to highlight DTTC's training programs, objectives, and facilities.
- Presented a functional project report and demonstrated the final website to the DTTC team, receiving a "Very Good" performance rating.

## PROJECTS

**Automatic Pill Dispenser** | *C++, Arduino, IoT, Sensors, Servo Motors*

- Engineered an intelligent IoT-based pill dispenser using Arduino, integrating sensors and servo motors to automate and schedule medicine dispensing.
- Developed embedded C++ code to control hardware components, monitor pill compartments, and trigger alerts for timely medication intake.
- Enhanced patient safety and medication adherence by providing automated reminders and precise dosage delivery.

**Travel Buddy Frontend** | *JavaScript, Node.js*

- Designed and implemented the user interface and user experience (UI/UX) for a travel information web application using JavaScript and Node.js.
- Developed responsive and visually appealing components, focusing on intuitive navigation and user-centric design.
- Collaborated on integrating designs into a scalable frontend architecture, ensuring smooth functionality and accessibility.

**hideFlare: Obfuscation Detection in Web Applications** | *Python, JavaScript, Next.js, React*

- Developed a tool to detect if a website is suspicious and reveal its actual hosting using a 6-layer technique, with the last layer being ML prediction.
- Integrated machine learning models to classify various obfuscation techniques.
- Built a user-friendly frontend interface using Next.js and React for domain lookups and data visualization, facilitating cybersecurity analysis.

## EDUCATION & CERTIFICATIONS

**Samrat Ashok Technological Institute**

B.Tech in Internet of Things

**Current CGPA: 7.21 / 10.0**

### Coursework:

Object-Oriented Programming, Data Structures & Algorithms, Embedded Systems, Discrete Math, DBMS, Linux & Terminal Scripting, Computer System Organization, Web Technology

2026 **Certifications**

- Programming for Everyone using Python – *University of Michigan*
- Work Smarter with Microsoft Word – *Microsoft*
- Prompt Design in Vertex AI Skill Badge – *Google Cloud*
- Introduction to Generative AI – *Google Cloud*
- Develop GenAI Apps with Gemini and Streamlit – *Google Cloud*
- AWesome DAY Online Conference – *Amazon AWS*