

Surya Pratap Singh

Email: surya.ngc888@gmail.com | Mobile: 6394030311 | Github: <https://github.com/>

LinkedIn: <https://www.linkedin.com/in/surya-pratap-singh-92bb2419a/>

Profile

Results-driven and detail-oriented with experience in designing, developing, and deploying web and desktop applications. Adept at crafting responsive, user-friendly interfaces and writing efficient, scalable backend solutions. Skilled in problem-solving and collaborating with cross-functional teams to deliver high-quality software solutions. Committed to continuous learning and leveraging technical expertise to drive innovation and improve system performance.

Education

- **Bharati Vidyapeeth College of Engineering, Pune**
BTech, Electronics & Telecommunication Engineering: CGPA: 7.78 (till 6th Sem) 2021-2025
- **Air Force School Viman Nagar, Pune**
CBSE 12th 2019-2020
- **Air Force School Viman Nagar, Pune**
CBSE 10th 2017-2018
- **3 MAH Air Sqn NCC Air Wing, Pune**
NCC C Certificate Holder (AAA Grade) 2021-2024

Skills

- **Technical Skills:** C#, HTML, CSS, JavaScript, MySQL, Bootstrap, OOPs, Git, Github
- **Soft Skills:** Leadership, Public Speaking, Problem Solving, Time Management, Unity and Discipline

Projects

- **Smart Traffic Management System**
Developing a Smart Traffic Management System using YOLOv4 and Machine Learning to optimize traffic flow. Implemented real-time object detection to identify vehicles and pedestrians, enabling dynamic traffic signal control based on congestion levels. Designed the system to improve efficiency, reduce wait times, and enhance safety. Integrated Python-based data processing and visualization for analysis and reporting.
- **Portfolio Website**
Developed a fully responsive Portfolio Website using HTML, CSS, and JavaScript to showcase professional skills, projects, and achievements. Designed an intuitive and visually appealing user interface with custom animations and interactive elements. Implemented cross-browser compatibility and optimized website performance for fast loading speeds. Focused on clean, maintainable code and best practices in web development to deliver an engaging user experience.
- **Stopwatch**
Built a functional and interactive stopwatch application using HTML, CSS, and JavaScript. Implemented features like start, stop, reset, and lap-time tracking with a user-friendly interface. Utilized JavaScript timers and DOM manipulation to handle real-time updates. Designed a clean and responsive layout for seamless usability across devices. Focused on efficient code structure and smooth user interactions.

Awards and Achievements

- **NCC- Camp Leader** at EBSB National Camp (Led 250 Cadets)
- **Pilot Trainee-** Virus SW-80
- **Runner-Up** at National Badminton Championship
- **College Team Captain** - Badminton

