

Aman Kumar Singh

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Portfolio | Github | Linkedin

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ABOUT

Aspiring Software Engineer with expertise in building responsive web applications using React.js, Tailwind CSS, and Firebase Authentication. Passionate about sustainable technology, problem-solving, and delivering impactful digital solutions through hackathons and collaborative teamwork.

EDUCATION

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| • Dayananda Sagar College Of Engineering | Bengaluru, India |
| <i>Bachelor of Engineering - Information Science and Engineering GPA: 9.87</i> | <i>Oct 2024 - Present</i> |
| • Sri Chaitanya P.U College | Ballari, India |
| <i>Pre-University Education(State Board) - Science (PCMC) Score-Obtained: 96.25%</i> | <i>Apr 2022 - May 2024</i> |
| • St. Joseph's Boys High School | Ballari, India |
| <i>Primary Education Score-Obtained: 93.2%</i> | <i>Jun 2018 - Apr 2022</i> |

SKILLS SUMMARY

- **Languages:** C, C++, JavaScript
- **Frameworks:** ReactJS, Tailwind CSS, Firebase(Auth)
- **Tools:** Vercel, Figma, Github
- **Platforms:** Windows, Arduino
- **Soft Skills:** Time Management, Team Collaboration, Adaptability, Quick Learner

PROJECTS

- **EcoAI:** A sustainability-focused platform that helps users adopt eco-friendly digital habits. Built as a Chrome Extension, Web App, and REST API, it integrates the Gemini API to provide real-time insights and suggestions for reducing digital carbon footprint..
- **Tic-Tac-Toe:** A web-based two-player Tic Tac Toe game built using HTML, CSS, and JavaScript. It includes dynamic win-checking logic, responsive design, and smooth UI interaction, allowing players to track game outcomes seamlessly. Designed to showcase core web development concepts. [Github](#)
- **To-Do-List App:** A fully responsive task management application developed using React and Tailwind CSS. It allows users to add, delete, and rearrange tasks dynamically with drag-and-drop style movement. State management is implemented with useState, making the app lightweight and efficient. [Github](#)
- **Stop Watch:** A digital stopwatch application created using JavaScript, providing functionalities such as start, pause, resume, and reset. Built with a clean and responsive interface, it demonstrates precise time calculations and DOM manipulation for real-time updates. [Github](#)
- **Rock Paper Scissors:** An interactive game where the user plays against the computer, developed using JavaScript and DOM manipulation. Includes random computer choices, instant win/lose results, and a simple responsive interface to enhance engagement. [Github](#)
- **AeroGlide:** A web-based simulation project that demonstrates airplane glide mechanics and aerodynamics. Features interactive controls to adjust parameters like angle and velocity, providing a simplified visualization of physics concepts in aviation.
- **PCFR:** An automated system for a model house that uses a rain sensor, Arduino Uno, and SG90 motors to protect and manage clothes, demonstrating IoT automation and smart home integration.

HONORS & AWARDS

- **Cash Prize in Makerblitz Hackathon:** Recognized for innovation and problem-solving in a competitive hackathon.
- **College Topper in Grade 12 (May 2024):** Secured highest marks in the batch.
- **School Topper in Grade 10 (April 2022):** Awarded for outstanding academic performance.

LANGUAGES

- **English:** Professional Proficiency
- **Hindi:** Native
- **Kannada:** Intermediate