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

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

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,Adaptibility, 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 AND AWARDS

- Cash Prize in Makerblitz Hackathon

- College Topper in Grade 12 - May, 2024

- School topper in Grade 10 - April, 2022

LANGUAGES

- English – Professional Proficiency

- Hindi – Native

- Kannada – Intermediate