SAKSHAM JAISWAL

About Me

I am a first-year BTech CSE student with a strong foundation in programming and web development. As a former school captain, I bring proven leadership skills and excel in teamwork. I am passionate about problem-solving, learning emerging technologies, and contributing to impactful projects that leverage my technical and collaborative abilities.

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Programming Languages

- Java
- C programming
- C++
- Javascript
- Python (Basic)

Technical Skills

- Web Technologies: HTML, CSS, React, Next.js, Node.js, Express.js, Tailwind CSS
- Version Control: Git, GitHub
- Tools: Visual Studio Code, Postman, Figma, gitbash, Workbench, MongodbCompass, Virtual Machine, etc.
- Databases: SQL, MongoDB

Education

B.Tech. | Computer Science and Engineering
Indian Institute of Information Technology, Kalyani, West Bengal
August, 2024 - December, 2028 (Expected)

Higher Secondary | Science Stream
St. Augustine Day School, Kolkata, West Bengal
March, 2009 - March, 2023

- Percentage - 93.75%
- Captain, Student Council - 2022-23
- Core Committee Head - To organize events - 2022-23
- Organized Festival D Augusto, Volume VI - 2022
- Vice President - Mass Communication Club - 2022-23
- School Prefect - 2018-19
- Director - Nature Club - 2018-19
- Member - Student Interaction Club - 2018-19
- Junior School Prefect - 2015-16

Projects

1. V R Tools Company Website

- Developed a responsive, frontend-only web app to showcase VR tools using React, Tailwind CSS, and Lucide React.
- Focused on building a user-friendly UI with smooth navigation and interactive product displays.
- Managed dependencies with pnpm for efficient performance.

2. Tic Tac Toe Game

- Developed a command-line Tic Tac Toe game in C with features like Pass and Play mode and Play with Computer mode (with multiple difficulty levels).
- Implemented game history tracking, saving results to a file and providing options to view past games.
- Enhanced game logic with improved draw detection, menu-driven navigation, and the ability to clear the screen after game completion.
- Optimized for Ubuntu OS in the final version.

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Soft Skills

- Leadership: Demonstrated leadership as School Captain, leading teams and organizing events.
- Teamwork: Excellent collaboration skills, working effectively in team settings.
- Problem-Solving: Strong analytical skills with a passion for troubleshooting and debugging.
- Communication: Effective communicator, skilled in explaining technical concepts to non-technical audiences.
- Adaptability: Quick to learn new technologies and adapt to changing environments.

Projects

3. Library Management System (Java)

- Developed a Library Management System using Java Swing for the GUI and SQL for database integration.
- Implemented features such as book management, user registration, transaction tracking, and searching/filtering.
- Designed a login system for administrators and users, and generated reports for overdue books.
- Integrated SQL to store and manage book and user data, ensuring persistence and easy retrieval.

4. Interior Design Firm Website

- Developed a frontend-only website for an interior designing firm using HTML, CSS, and JavaScript.
- Created a responsive design to ensure the website is optimized for all devices (desktop, tablet, mobile).
- Built an interactive portfolio with image sliders and hover effects, showcasing the firm's interior design projects.
- Integrated a contact form for client inquiries and implemented smooth navigation for better user experience.

Hobbies and Interests

- **Coding and Problem Solving**: Passionate about tackling programming challenges, improving algorithmic skills, and contributing to open-source projects.
- **Web Development:** I enjoy building websites and web apps and continuously learning new technologies and frameworks to stay current in the field.
- **Reading and Learning:** I am enthusiastic about reading books, articles, and tutorials on technology, personal development, and entrepreneurship to broaden my knowledge.
- **Basketball**: Active participant in basketball, fostering teamwork, discipline, and strategic thinking.
- **Badminton:** Regularly play for fitness and relaxation, enhancing my agility and focus.
- **Planting and Gardening:** Enjoy gardening as a way to unwind, nurture plants and create a sustainable, green space.
- **Playing Guitar**: Passionate about playing guitar, which helps develop patience, creativity, and attention to detail.