ASTHA MEHRA

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EDUCATION

G.L. Bajaj Institute of Technology and Management, Greater Noida   **2021-2025**
B.Tech - Computer Science and Engineering - **CGPA** *- 7.6*   *Greater Noida, Uttar Pradesh*

ST. Francis Convent Inter College (ISC)   **2021**
Intermediate - **Percentage** *- 91*   *Jhansi, Uttar Pradesh*

ST. Francis Convent Inter College (ICSE)   **2019**
Highschool - **Percentage** *- 92.4*   *Jhansi, Uttar Pradesh*

PROJECTS

INKSPIREWEB-Where Every Word Paints A Picture ↗ | React.js   **2024**
- **Engineered a robust React architecture** to cut page loading time drastically, resulting in improved site performance and increased visitor retention rates due to enhanced usability for thousands of users each day.
- **Increased user engagement by 80%** through the integration of modern **JavaScript (ES6+) and Tailwind CSS,** implementing interactive features such as real-time feedback to improve user retention and satisfaction.
- **Crafted a fully responsive UI with HTML5 and CSS3, ensuring 100%** compatibility across all devices by **incorporating** adaptive layouts and accessibility best practices for an inclusive user experience on desktop, tablet, and mobile platforms.
- **Designed a platform where 100%** of the content is visually appealing, bringing words to life.

InstaStay-Hotel-Management-System ↗ | Java   **2023**
- **Streamlined booking processes by 40%** through the use of advanced **Java** algorithms and efficient data structures, **significantly reducing** processing time and enhancing the system's overall performance.
- **Created a robust verification system** for managing **10,000+** guest records that achieved **99%** accuracy; the new process became a benchmark for **data integrity** within the customer service team, ensuring reliability in operations.
- **Delivered real-time room availability tracking** using live data updates, enabling **100%** up-to-date information for smooth and error-free check-in and check-out processes, improving customer satisfaction.
- **Transformed staff productivity by 30%** through the development of an intuitive and user-friendly interface, **simplifying** navigation and streamlining critical hotel management tasks.

SecureKeyGen – Password Generator ↗ | React.js   **2024**
- **Developed a cutting-edge password generation** feature with **ReactJS** that **enhanced** reliability, achieving a **90%** speed improvement; the upgrade has led to a marked increase in user trust and satisfaction ratings.
- **Ensured 100% uniqueness in generated passwords**with customizable length and complexity options, meeting high-security standards and offering advanced protection for users.
- **Refined user experience by 100%** by **designing** an intuitive interface, enabling instant, hassle-free password generation with minimal user input.
- **Secured 100% responsiveness across all screen sizes,** facilitating seamless accessibility and functionality on both desktop and mobile devices for users on any platform.

TECHNICAL SKILLS

Languages: Java, C, JavaScript.
Technologies/Frameworks: HTML5, CSS3, TailwindCSS, JavaScript, React.js.
Developer Tools: VS Code, IntelliJ, Canva.

CERTIFICATIONS

— **Introduction to Front-End Development**-(Simplilearn, Nov 2024): Built **3+ interactive web apps** using **HTML, CSS, JavaScript and Reactjs** enhancing front-end functionality by **20%**.

— **Smart India Hackathon 2023: Developed solutions for 2+ real-world problems** using **React.js,** improving system performance by **25%**.

— **Java Programming**-(Simplilearn, Nov 2022): **Optimized 5+ coding challenges** using **OOP, data structures, and algorithms** boosting solution efficiency by **30%**.