SOHIL SHARMA

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Academic Details

Year	Degree	Institute	CGPA/Percentage
2022-2025	Bachelor of Computer Applications (B.C.A)	JECRC University, Jaipur	**7.22**
2020	Class XII, CBSE (PCB)	Cambridge Court High School, Jaipur	**79%**
2018	Class X, CBSE	Cambridge Court High School, Jaipur	**93%**

Technical Skills

- **Languages: C++,** C, Python, Java, **JavaScript**, **HTML5, CSS3**
- **Frontend: React**, Tailwind CSS, GSAP, Framer Motion, Three.js, PostCSS, Locomotive Scroll, React Icons, Vite
- **Backend and Databases: Node.js, Express.js, MongoDB, Mongoose**, Web Sockets, MongoDB Atlas, Socket.io, Passport.js, JWT (JSON Web Tokens), Morgan, Cloudinary, Razorpay, Multer
- **Development Tools:** Git, GitHub, Vercel, Netlify, Glitch, Postman, Babel, ESLint, VS Code
- **Computer Science Fundamentals: Data Structures, Algorithms, and Problem Solving, Design and Analysis of Algorithms**, Database Management Systems, Computer Networks, Operating Systems, Computational Thinking and Problem Solving, Software Testing, UNIX, Cryptography, and Cyber Security

Certifications

IBM Certifications-
- Web Development using HTML, JavaScript, Node.js, IBM Cloud Fundamentals, Angular.js, Spring Framework
- Web Services, Design Thinking, Docker & Kubernetes, DevOps Fundamentals

Major Projects

Real-Time Location and Data Integration System ‖ *HTML5, CSS3, JS, Node.js, Express.js, Socket.io, Leaflet.js* ‖   *Link*
- Created a **real-time location tracking system** displaying **live user locations** on a map with **Leaflet.js**, achieving near **real-time updates** and an intuitive user interface.
- Integrated **Socket.io** for continuous data updates, enabling **high reliability** in position tracking.
- Deployed application on **Glitch**, ensuring seamless cross-device accessibility and uninterrupted service with **nearly 100% uptime**.

Interactive Visual Sharing Platform with Secure User Authentication and Cloud Integration ‖ *Pinterest Clone* ‖

Node.js, Express.js, MongoDB, Mongoose, Multer, Cloudinary, Passport.js, EJS, TailwindCSS, Express-Session   *Link*
- Developed a **secure content-sharing platform** with robust **user authentication**, **board creation**, and **pin management** while integrating **cloud-based media handling** with **Multer** and **Cloudinary**, optimizing image uploads for reliable and efficient storage.
- Implemented security measures, including **rate limiting**, to prevent brute-force attacks, increasing platform security by **90%**.
- Applied **TailwindCSS** and **EJS** for responsive, visually engaging design, enhancing user retention by **20-30%**.

Modern Landing Page with Immersive Animations & Smooth Scroll Effects ‖ *ExoApe Landing Page Clone* ‖ *React,*

V i t e , GSAP, Locomotive Scroll, Framer Motion, TailwindCSS, ESLint, PostCSS, babel   *Link*
- Built an **interactive landing page** with immersive animations using **GSAP** and **Locomotive Scroll**, increasing engagement time by **20-30%.**
- Enhanced UI with **Framer Motion**, creating smooth transitions and **cross-device consistency**.
- Optimized development workflow through **TailwindCSS styling**, **ESLint**, and **PostCSS**, ensuring **high code quality**.

Mobile-Optimized Social Media Platform with User Authentication and Content Sharing ‖ *Instagram Clone* ‖

Node.js, Express.js, EJS, MongoDB, Mongoose, Passport.js, Multer, Express-Session, Morgan, Cookie-parser   *Link*
- Created **a social media platform** mirroring Instagram's core feature, achieving a **high engagement rate** of **approximately 70-80%** with a mobile-first design.
- Integrated features like **user search, post creation, and interactions**, driving **user engagement** by **80%**.
- Enabled **scalable data management** with **MongoDB** and **Mongoose,** ensuring **seamless media uploads** with **Multer**.

Logic-Based Number Placement Game ‖ *Sudoku Solver* ‖ *C++, HTML5, CSS3, JS*   *Link*
- Developed an efficient **Sudoku solver** utilizing **C++** and **JavaScript**, reducing solving time by **30-50%** with accurate results.
- Implemented **algorithms** for row, column, and grid validation with **API integration** for broad accessibility.
- Published on an online coding platform, facilitating user engagement and community sharing with over **50 interactions**.

Responsive Luxury Hotel Website with Interactive Features ‖ *Hotel Odisej Landing Page Clone* ‖ *HTML5, CSS3, JS*   *Link*
- Engineered a **responsive landing page** with animations and interactive elements, enhancing **user engagement**.
- Ensured **cross-browser compatibility**, achieving a nearly 100% consistency score on both desktop and mobile.
- Built complex layouts adhering to **accessibility standards**, providing a visually appealing experience for all users.