

# SOHIL SHARMA

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Access Updated Resume

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GitHub

## Academic Details

Year	Degree	Institute	CGPA/Percentage
2022-2025	B.C.A (Bachelor of Computer Applications)	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**, SQL, TypeScript
- **Frontend:** **React.js**, Tailwind CSS, GSAP, Framer Motion, Three.js, PostCSS, Locomotive Scroll, React Icons, Vite Next.js,
- **Backend and Databases:** **Node.js**, **Express.js**, **MongoDB**, **Mongoose**, Web Sockets, MongoDB Atlas, Socket.io, Passport.js, JWT (JSON Web Tokens), Morgan, MySQL, Cloudinary, Razorpay, Multer
- **Development Tools:** Git, GitHub, Vercel, Netlify, Glitch, Postman, Babel.js, ESLint, VS Code
- **Computer Science Fundamentals:** Data Structures and Algorithms (DSA), Advanced Data Structures and Algorithms (ADSA), Design and Analysis of Algorithms (DAA), Database Management Systems, Computer Networks, Operating Systems, Computational Thinking and Problem Solving, Software Testing, 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, Dockers & Kubernetes, DevOps Fundamentals

## Major Projects

### Real-Time Location and Data Integration System || *HTML, CSS, JavaScript, Node.js, Express.js, Socket.io*

[Link](#)

- **Developed a sophisticated system** designed to monitor and update information continuously, providing **live updates** on ongoing activities.
- Crucial across various industries, offering **timeless, accurate, and efficient benefits**.
- **Interpreted data visualization tools** like maps for **clear and concise information presentation**.

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

*Node.js, Express.js, EJS, MongoDB, Mongoose, Passport.js, passport-local, passport-local-mongoose, Multer, Express-session, Morgan, Debug, HTTP-errors, Cookie-parser*

[Link](#)

- **Developed a mobile-first Instagram clone** with a user interface similar to the original, optimized for mobile devices using **EJS** for **dynamic HTML rendering**.
- **Implemented user authentication** (registration and login) using **Passport.js**, **passport-local**, and **passport-local-mongoose** for secure session management and user credential handling.
- **Features include user profile management** (bio, profile picture, name, username) with image uploads handled by **Multer** for **seamless media handling**.
- **Users can search for other users by username**, enhancing discoverability and user engagement.
- **Enabled content creation** with the ability to **post images and stories**, mirroring Instagram's core functionalities.
- **Incorporated social interaction features**, allowing users to **like posts and view a feed** of user-generated content.
- Utilized **Express** for server-side routing and middleware, **Mongoose** for **MongoDB object modeling**, and **Morgan** for **logging HTTP requests**, while ensuring **robust error handling** with **HTTP errors** and managing sessions with **express-session**. **Cookie-parser** is used for **handling cookies**, and **debug** is employed for **debugging purposes**.

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

*Vite, GSAP, Locomotive Scroll, Framer Motion, TailwindCSS, ESLint, PostCSS, babel.js*

[Link](#)

- **Developed a responsive clone** of the ExoApe landing page using **React** and **Vite**, optimized for **modern web standards**.
- **Implemented smooth scrolling and dynamic animations** using **GSAP** and **Locomotive Scroll** for an enhanced user experience.

- **Integrated Framer Motion for interactive UI components**, ensuring smooth transitions and animations.
- Used **TailwindCSS for styling** to maintain design consistency and ensure **rapid development**.
- **Applied ESLint for code quality and consistency**, following **best practices**.
- **Optimized build process** using Vite, ensuring **fast development and production environments**.

#### **Logic-Based Number Placement Game || Sudoku Solver || C++, HTML, CSS, JavaScript**

[Link](#)

- **Developed a program** that automatically **solves Sudoku puzzles**.
- **Utilized algorithms** to ensure each row, column, and 3x3 subgrid contains all digits from 1 to 9 without repetition.
- **Deployed the API** on a coding platform for **easy integration**.

#### **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 Pinterest-like web application** with user registration, board creation, pin management, and post-viewing functionalities.
- **Implemented secure user authentication and session management** using **Passport.js, Express-Session, and Connect-Flash** for smooth user experiences.
- **Managed image uploads and storage** with **Multer and Cloudinary** for **cloud-based media handling**.
- **Designed database schema** and performed operations using **MongoDB with Mongoose** for **efficient object modeling**.
- **Incorporated search functionality**, allowing users to **find specific pins and posts**.
- **Enforced security features** like **rate limiting (Express-Rate-Limit)** to safeguard against brute force attacks.
- **Styled front-end elements** using **TailwindCSS** for **efficient and responsive design**.
- **Utilized EJS** for **dynamic template rendering** on the server side.

#### **Responsive Luxury Hotel Website with Interactive Features || Hotel Odisej Landing Page Clone || HTML, CSS, JS**

[Link](#)

- **Developed a responsive Hotel Odisej landing page clone** using **HTML, CSS, and JavaScript**
- **Recreated complex layouts, animations, and interactive elements** for a **seamless device user experience**.
- **Optimized for performance and cross-browser compatibility**, ensuring **smooth navigation on both desktop and mobile platforms**.

#### **Interactive Music Player with Passkey Protection and Playlist Integration || Spotify Clone || HTML, CSS, JS**

[Link](#)

- **Developed a music player** using **HTML, CSS, and JavaScript** with play, pause, and skip functionality.
- **Integrated a modal lock feature** secured by **passkey (0910)** for **restricted access**.
- **Implemented a playlist of songs**, allowing users to **navigate between tracks seamlessly**.

#### **Responsive Video Streaming Platform Interface || Netflix Landing Page UI Clone || HTML, CSS**

[Link1](#) [Link2](#)

- **Designed and implemented a responsive Netflix landing page UI clone** using **HTML and CSS**, ensuring a **visually appealing layout** and **seamless user experience** across various devices
- **Utilized modern web design techniques** to **accurately replicate Netflix's aesthetics**, including typography, colour schemes, and iconography, enhancing visual fidelity.
- **Incorporated best practices for accessibility and usability**, ensuring the interface is **user-friendly and adheres to web standards**

#### **Luxury Sportswear eCommerce Platform with Responsive Design and Interactive Elements || Nike Clone ||**

*HTML, CSS, JavaScript*

[Link](#)

- **Developed a responsive and dynamic eCommerce platform** with **product listings, a shopping cart, and user authentication**.
- **Integrated interactive elements** like **product filters, search functionality, and dynamic updates**.
- **Enhanced user experience** with **real-time validations, smooth transitions, and interactive models** for **seamless navigation and fast loading**.