# SUMIT KUMAR SHAW  Software Engineer-to-be

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## Summary — Emerging Software Engineer with a strong background in C/C++, Java, and Golang. Proficient in web development using HTML5, CSS3, and the MERN stack, with hands-on experience in building responsive applications. Strong skills in data structures and algorithms, complemented by experience in STEM training. Ready to contribute to innovative projects and thrive in a dynamic software development environment.

## Skills

**Languages:** C/C++, Java, Golang
**Core Competencies:** OOPs, Data Structures, Algorithms
**Web Technologies:** HTML5, CSS3, JavaScript, MERN
**Frameworks & Libraries:** Node.js, Express, React, Tailwind

**Version Control:** Git, GitHub
**Database Management:** SQL, MongoDB
**Design & Development Tools:** Visual Studio Code, Figma, Canva

## Experience

**Futurite**                                                                   Jan 2024 – Jul 2024
*STEM Trainer*                                                              *[Experience Certificate]*

### Skills acquired

– Python, 3D Designing, Game Development, App Development, Circuit Building
– Improved Communication, Team Collaboration

### Responsibilities and Achievements

– Developed and delivered comprehensive training programs in various STEM modules such as Python Programming, 3D Designing, Game Development, App Development, and Building Circuits.
– Provided personalized mentorship to students, assisting them with coding projects, debugging issues, and developing efficient solutions.
– Led a workshop on STEM and Robotics, training over 75 students, and received an appreciation letter for outstanding performance.

## Projects

**Indian Tourism** | JavaScript, React, Node, Express, MongoDB | [GitHub link] | [Live] | [Demo]
– Developed an open-source, eco-friendly ticketing system using QR codes, having the potential to eliminate 10 tons of paper waste each year.
– Built with the MERN stack, leveraging Git for version control.
– Designed and developed a robust API backend with 20+ RESTful API endpoints for various functionalities.
– Integrated a secure JWT system for user authentication and API authorization.
– Overcame the challenge of concurrent bookings by implementing a ticket locking mechanism.
– Organized code using the MVC pattern for scalability and maintainability.

**Portfolio Showcase** | HTML5, CSS3, JavaScript, React, Swiper, EmailJS, Framer Motion | [GitHub link] | [Live]
– Showcases a collection of my web development projects, including eco-friendly initiatives and responsive designs.
– Built using React for dynamic user interfaces and Node.js for backend functionality, leveraging EmailJS for seamless contact form integration.
– Utilizes Swiper for an interactive project carousel and Framer Motion for smooth animations, enhancing user engagement.
– Implements best practices in code organization and version control with Git.
– Features a responsive design that ensures an optimal viewing experience on various devices, highlighting projects that demonstrate my technical skills and creativity.

**Music Bar** | HTML5, CSS3, JavaScript | [GitHub link] | [Live] | [Demo]
– Developed a user-friendly web music player that allows users to explore their music library, play songs, and manage playlists.
– Implemented features like dynamic album display, song playback controls, volume adjustment, and a responsive design using HTML5, CSS3, and JavaScript.
– Utilized the Fetch API to load music files and album information dynamically, enhancing the user experience.
– Created a seamless audio playback experience with additional future features planned, such as playlist management and user authentication.

**Netflix Clone** | HTML5, CSS3 | [GitHub link] | [Live] | [Demo]
– Developed a responsive Netflix web application clone using HTML and CSS.
– Implemented media queries for seamless experience across devices.
– Utilized CSS Flexbox and Grid for efficient layout design.
– Created interactive elements with CSS transitions for better user engagement.
– Designed a user-friendly navigation bar for accessibility.

## Achievements & Certifications

– As part of a team that conducted a workshop on STEM and Robotics, I contributed to our company receiving an appreciation letter from the client for training over 75 students. 🔗
– Completed Udemy's Learn Java Programming - Beginner to Master 🔗
– Completed Coursera's Hands-on Introduction to Linux Commands and Shell Scripting 🔗
– Finalist in CodeWar Kritanj (College Technical Fest) 🔗

## Education

**Narula Institute of Technology**
*Bachelor of Technology(B.Tech) in Computer Science & Engineering(CSE)* *2019-2023*
*CGPA - 8.6*