

# MANAS ANAND SINGH

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## Skills

- **Web Development:** HTML5, CSS3, TailwindCSS, ShadCN, Framer Motion, React.js, Next.js, Node.js, Express.js, REST APIs
- **Languages:** Java, JavaScript (ES6+), TypeScript, SQL, Python | **Databases:** MongoDB, MySQL
- **Tools & Platform:** Git, Github, Vite, Postman, VS Code | **Concepts:** DSA, OOPs, DBMS

## Experience

### Web Developer, Trainee

### Quaere Technologies

Lucknow, UP 07/2022 - 09/2022

- Gained hands-on experience in HTML, CSS, and JavaScript (DOM manipulation).
- Built responsive and interactive web pages using modern CSS technologies and JavaScript DOM manipulation.
- Developed dynamic backend applications with Node.js and Express.js.
- Integrated and consumed RESTful APIs for client-server communication.
- Implemented user authentication & authorization using JWT and session-based authentication.
- Utilized Git and Github for version control and collaborative development.

## Projects

### Tour Booking API

### Full-Stack Travel Booking Platform

**Tech:** HTML5, CSS, JavaScript, Node.js, Express.js, MongoDB, Mongoose, Stripe, JWT, Mapbox.

- Developed a robust RESTful API with authentication, authorization, geo-location filtering, and payment integration using Stripe.
- Implemented secure backend features: role-based access, rate limiting, data sanitization, and structured MVC architecture.
- Implemented API security with Helmet, rate limiting, and data sanitization techniques.
- Built GeoJSON-based location filtering and mapping using the Mapbox API.
- Used Postman for API testing and implemented automated API documentation.

### Personal Portfolio Website

### Next.js Project

**Tech:** Next.js, Tailwind CSS, Framer Motion

- Built a fully responsive portfolio showcasing projects, skills, and certifications, optimized for performance and SEO with Next.js.
- Designed a modern, accessible UI with **dark/light mode** toggle and consistent design system for enhanced user experience.
- Integrated **subtle, smooth animations** using Framer Motion to create an engaging yet performant interface.
- Utilized **Tailwind CSS utility classes** for rapid, maintainable styling and theme management.
- Followed best practices for semantic HTML, responsive layout, and mobile-first design to ensure cross-device compatibility.
- Deployed and optimized for fast load times, smooth navigation, and professional presentation.

## Education

### Master of Computer Applications

### Gautam Buddha University

Greater Noida, UP 08/2023 - 08/2025

- Major in Computer Applications and Artificial Intelligence.

### Bachelor of Computer Applications

### Kanpur University

Sitapur, UP 08/2020 - 08/2023

- Major in Computer Applications.

## Competitive Programming

- Solved 200+ problems on LeetCode and GFG
- Currently improving through Striver's DSA Sheet & Weekly Contests

## Certifications and Courses

- Foundations of User Experience (UX) Design: Authorized by Coursera.
- The Complete JavaScript Course 2025: From Zero to Expert!: Authorized by Udemy.
- Calculus for Machine Learning and Data Science: Authorized by DeepLearning.AI.
- Linear Algebra for Machine Learning and Data Science: Authorized by DeepLearning.AI.
- Programming for Everybody: Authorized by University of Michigan.
- Python Data Structures: Authorized by University of Michigan.
- Node.js Express MongoDB & more: The Complete Bootcamp 2022: Authorized by Udemy.