MANAS ANAND SINGH

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Skills

- **Languages:** Java, JavaScript (ES6+), TypeScript, SQL, Python
- **Web Development:** HTML5, CSS3, TailwindCSS, React.js, Node.js, Express.js, REST APIs
- **Databases:** MongoDB, MySQL
- **Tools & Platform:** Git, Github, Vite, Postman, VS Code
- **Concepts:** Data Structures & Algorithms, OOPs, DBMS
- **Others:** Figma, Responsive Design, JWT/Auth

Experience

Web Developer, Trainee   **Quaere Technologies**   *Lucknow, UP*   **07/2022 - 09/2022**

- Gained hands-on experience in HTML, CSS, and JavaScript (DOM manipulation).
- Developed dynamic backend applications with Node.js and Express.js.
- Integrated and consumed RESTful APIs for client-server communication.

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.

React Fundamentals Projects   **React Projects**

Tech: React, JSX, CSS Modules
- Built React apps showcasing dynamic UI, props/state handling, and styling using CSS modules and inline styles.
- Implemented reusable components and JSX structures while building interactive elements like modals, forms, and cards.

Minimalist in-browser Code Editor   **Vanilla JS Project**

Tech: HTML5, CSS, JavaScript, CodeMirror 6, Vite
- Built Vanilla HTML/CSS/JS code editor with tabbed UI, live preview via iframe, theme toggle, and localStorage persistence.

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.