

VIKRAM SINGH

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SKILLS SUMMARY

- **Languages:** JavaScript, Node.js, MongoDB, SQL, Python, HTML5, CSS
- **Frameworks:** React, Next.js, Express.js, Bootstrap, Tailwind
- **Tools:** Git, GitHub, Postman, Visual Studio Code, Compass, MySQL
- **Soft Skills:** Rapport Building, Stakeholder Management, People Management, Communication

PROJECTS

Yelp Camp | <https://tranquil-wildwood-74179-c6fc1d1bfa7a.herokuapp.com/>

- Designed and implemented a full-stack web application using Node.js, Express.js, and MongoDB, adhering to the MVC architecture.
- Integrated user authentication and authorization using Passport.js, ensuring secure login and role-based access control.
- Developed RESTful APIs to enable CRUD operations for campgrounds, reviews, and user profiles.
- Utilized Cloudinary for efficient image uploads and storage, enhancing the user experience.
- Incorporated Mapbox API to provide an interactive map feature for displaying campground locations.
- Built a responsive and interactive UI with Bootstrap and EJS, ensuring compatibility across devices.
- Deployed the application on Heroku, optimizing it for production with environmental variable management.
- Conducted data modeling with Mongoose, improving data organization and retrieval efficiency.
- Implemented comprehensive error handling and validation for improved application reliability.

Notebook App | <https://notebook-6299.onrender.com/>

- Developed a MERN stack application for managing user notes, utilizing MongoDB, Express.js, React, and Node.js.
- Designed and implemented a user authentication system using JWT for secure login and session management.
- Created a responsive and user-friendly UI with React and Bootstrap, enhancing accessibility and visual appeal.
- Built a React Context API for state management, reducing redundant code and improving maintainability.
- Structured the backend with Express.js and MongoDB, ensuring efficient data storage and retrieval.
- Version-controlled the project using Git and hosted the repository on GitHub for collaboration and portfolio showcase.

EDUCATION

CDI COLLEGE– Montreal, CA

March 2022

Diploma of Web Design, LCA.CO; Cumulative GPA: 3.7/4.0
Dean's List, Honor Award Recipient

CERTIFICATES

The Web Developer Bootcamp 2024 (Udemy)

September 2024

- Completed an intensive Web Development Bootcamp, mastering JavaScript, Node.js, Express, and MongoDB to build full-stack web applications.
- Gained hands-on experience in RESTful API development, database integration, and creating dynamic, responsive web interfaces.

The Python Pro Bootcamp 2024 (Udemy)

In Progress

- Completed a comprehensive Python Bootcamp, mastering core concepts including data structures, OOP, and file handling.
- Gained hands-on experience in building data-driven applications and performing data analysis using libraries like Pandas, NumPy, and Matplotlib.

Graphic Design Masterclass 2024 (Udemy)

October 2024

- Completed a Graphic Design Course, gaining expertise in tools like Adobe Photoshop, Illustrator, and InDesign to create visually appealing designs.
- Learned principles of design composition, typography, and color theory, applying them to create professional-quality graphics and branding materials.