

VISHAL TIWARI

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LinkedIn

GitHub

Portfolio

Professional Summary

Computer Science undergraduate and Frontend Developer with strong foundations in Java, Data Structures, and modern JavaScript. Experienced in building responsive, interactive web applications using HTML, CSS, JavaScript, and React. Hands-on experience with REST APIs, browser-based games, and real-time UI interactions. Currently learning backend development using the MERN stack (Node.js, Express.js, MongoDB) to transition into a full-stack developer. Actively seeking frontend developer roles and paid internships.

Education

Bachelor of Technology in Information Technology

Lucknow Institute of Technology

2023 – 2026

India

Diploma in Mechanical Engineering (Automobile)

Government Polytechnic Lucknow

2019 – 2022

India

Technical Skills

Languages: Java, JavaScript (ES6+), HTML5, CSS3, SQL

Frontend: React.js, Context API, Tailwind CSS, Responsive Web Design, DOM Manipulation

Backend (Learning): Node.js, Express.js, MongoDB, REST APIs

CS Fundamentals: Data Structures and Algorithms, Object-Oriented Programming

Tools: Git, GitHub, VS Code, IntelliJ IDEA

Deployment: GitHub Pages, Vercel

Projects

Interactive Browser Game (Mario-style) | *HTML, CSS, JavaScript*

- Developed a browser-based interactive game featuring animations, collision detection, scoring system, and level progression.
- Implemented event-driven JavaScript logic and dynamic DOM manipulation for real-time gameplay updates.
- Focused on performance optimization and responsive rendering across screen sizes.
- Live Demo available

REST Country Explorer Web App | *JavaScript, REST API*

- Built a dynamic web application consuming REST Countries API to display country data with search and filtering features.
- Implemented asynchronous JavaScript (fetch, promises) for API integration and data rendering.
- Added pagination and dark/light theme toggle for improved user experience.
- Live Demo available

Password Generator | *React.js, JavaScript, CSS*

- Developed a secure password generator using React Hooks (useState, useEffect, useRef).
- Implemented configurable password rules including length, uppercase, lowercase, numbers, and symbols.
- Added clipboard copy functionality and responsive UI updates.
- Designed and completed the project independently within one day.
- Live Demo available

Persistent Tic Tac Toe System | *React, Context API, JavaScript, LocalStorage*

2025

- Developed a stateful React application with persistent session management using Context API and localStorage.
- Implemented global state architecture to manage player turns, board state, scores, and multi-round gameplay.
- Built session recovery logic to restore full game state after browser refresh or restart.

- Designed win/draw detection system and round progression flow for continuous gameplay experience.
- Demonstrates frontend architecture design, state synchronization, and application lifecycle handling.
- Live Demo available

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Java Game Projects (Snake Game, Tic Tac Toe) | *Java*

- * Developed logic-based games implementing collision detection, game state management, and win-condition logic.
- * Applied object-oriented programming principles and data structures.
- * Strengthened problem-solving and algorithmic thinking through hands-on development.
- * [Tic Tac Toe link](#)
- * [Snake Game link](#)

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JavaScript Mini Projects | *HTML, CSS, JavaScript*

- * Developed multiple interactive UI projects including a stopwatch, animated moving heart effect, and yoga landing page.
- * Focused on responsive layouts, user interaction handling, and visual feedback.
- * Improved DOM manipulation skills and frontend design consistency.
- * Live Demos available.
- * [Stop Watch : Live Demo](#)
- * [Moving Heart : Live Demo](#)
- * [Yoga Studio landing page : Live Demo](#)

Currently Learning

Backend development using MERN stack (Node.js, Express.js, MongoDB), REST API design, authentication, and full-stack project development.