

Radhika Bhasin

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Education

Vellore Institute of Technology <i>BTech in Computer Science and Engineering</i>	CGPA: 9.02	2022 – 2026 Bhopal, Madhya Pradesh
Guru Tegh Bahadur Public School <i>CBSE (XII)</i>	Percentage: 98.8%	July 2022 Meerut, Uttar Pradesh
Guru Tegh Bahadur Public School <i>CBSE (X)</i>	Percentage: 95.2%	July 2020 Meerut, Uttar Pradesh

Skills

Frameworks/Tool: MongoDB, Express.js, ReactJS, Node.js, HTML5, CSS3, Tailwind CSS, Bootstrap, MySQL, Git
Programming Languages: C++, Python, JavaScript

Projects

StudyNotion – Ed-Tech Platform Aug 2025

Tech Stack: MERN, JWT Tokens, REST API, Bcrypt, Nodemailer, Cloudinary, Tailwind CSS

- Designed and developed a full-stack e-learning platform using the MERN stack, allowing instructors to create, upload, and manage courses while enabling students to browse, enroll, and access video lectures through a responsive and modern UI built with Tailwind CSS.
- Implemented secure user authentication and authorization using JWT tokens, role-based access control, and Bcrypt for password hashing, along with a password recovery system featuring Nodemailer for generating secure reset tokens and sending email-based recovery links.
- Integrated Cloudinary for efficient storage, management, and streaming of course images and videos, optimizing media handling and delivery within the platform.
- Deployed the full application with frontend hosted on Vercel and backend/API hosted on Render, ensuring reliable, scalable, and publicly accessible live deployment.

CodeCanvas – DSA Learning Website Dec 2024

Tech Stack: MongoDB, Express.js, EJS, Node.js, CSS, Javascript, Motion Canvas

- Developed an e-learning website called CodeCanvas to deliver topic-wise Data Structures and Algorithms (DSA) animations, helping users learn and retain core concepts from arrays and linked lists to advanced topics like trees and graphs.
- Utilized Node.js, Express.js, and EJS for server-side rendering and backend development. Integrated Motion Canvas, a TypeScript-based animation library, to create interactive visualizations of DSA concepts.
- Collaborated in a team of 5 members to design and build the platform, ensuring a smooth user experience and clear content structure.
- Implemented topic-wise quizzes and coding challenges to reinforce learning and provide hands-on practice for users.

Razorpay Clone May 2024

Tech Stack: HTML, Tailwind CSS

- Developed a responsive Razorpay clone using HTML and Tailwind CSS, replicating 12+ core UI features.
- Implemented a clean and modern user interface with 100% mobile responsiveness, ensuring seamless experience across all device sizes.

Certification

AWS Certified Cloud Practitioner

Dec 2025

Extra-curriculars & Achievements

- Smart India Hackathon 2024:** Successfully advanced to Internal Round 1, where 60 teams were shortlisted from 400 teams. Worked in a team of 6 members on innovative solutions focused on Women Safety.
- Volunteer – FLAMES Event, Data Science Club (October 2023):** Worked as part of the event management team to handle participant registrations, organize logistics, and coordinate with other volunteers to ensure the smooth execution of the event.
- Solved over 250 problems on leading platforms such as LeetCode and Coding Ninjas, with a focus on a diverse range of algorithm and data structure topics.