Radhika Bhasin

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Education

VIT Bhopal University *BTech in Computer Science and Engineering*	CGPA: 9.02	2022 – Present Bhopal, Madhya Pradesh
Guru Tegh Bahadur Public School *CBSE (XII)*	Percentage: 98.8%	July 2022 Meerut, Uttar Pradesh
Guru Tegh Bahadur Public School *CBSE (X)*	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

- Developing a full-stack e-learning platform using the MERN stack to enable instructors to create, upload, and manage course content while allowing users to browse, enroll, and access materials through a responsive interface built with Tailwind CSS.
- Implementing secure authentication and authorization workflows with JWT tokens and role-based access control, along with Bcrypt for securely hashing and storing user passwords.
- Building a password recovery system using Nodemailer to generate secure reset tokens and send email-based password reset links for improved account recovery.
- Integrating Cloudinary to handle efficient storage and streaming of course images and videos, and planning Razorpay payment gateway integration to support secure transactions for paid courses.

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 Razorpay clone using HTML and Tailwind CSS, replicating 12+ core features and achieving responsive design.
- Implemented a clean and modern user interface that improved cross-browser compatibility and ensured 100 % mobile responsiveness.

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.
- **American Express Makeathon 2024:** Contributed as part of a 4-member team developing a prototype to promote Financial Literacy for All.
- **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.