Radhika Bhasin

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Skills

Programming Languages: C++, Python, JavaScript
Web Technologies: HTML5, CSS, Tailwind CSS, ReactJS, Node.js, Express.js
Databases: MySQL, MongoDB

Certifications

• Cyber Security analyst – IBM	**April 2025**
• Gen AI using IBM watsonx – IBM	**April 2025**
• Cloud Computing – NPTEL	**May 2024**
• Python Essentials – VITyarthi (A learning platform developed by VIT University)	**May 2023**

Projects

CodeCanvas   **May 2025 - Present**

Role: Developer
- Developing an interactive **e-learning platform** that enables users to learn **Data Structures and Algorithms** through **animations**.
- Collaborated with a team of 5 developers to build the platform using the **MERN stack** (MongoDB, Express, React, Node.js) and **Motion Canvas** (TypeScript library), ensuring scalability and performance.
- Integrated 20+ topic-wise quizzes and coding practice questions, enhancing user engagement and learning effectiveness.

Authentication and Authorization System   **April 2025**

Role: Backend Developer
- Built secure RESTful API endpoints using **Node.js**, **Express.js**, and **MongoDB** for user registration and login functionality.
- Implemented **bcrypt** to hash passwords before storing them, ensuring secure handling of user credentials.
- Integrated **JWT (JSON Web Token)** for token-based authentication and stored tokens via **HTTP-only cookies** to prevent XSS attacks.
- Designed a clean login/signup flow with proper error handling and role-based payload structure using environment-secured JWT secrets.

Razorpay Clone   **May 2024**

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

Extra-curriculars & Achievements

Achievements-
- Ranked in the top 1% of students in the **NPTEL Cloud Computing** course offered by IIT Kharagpur.

Extracurriculars-
- Contributed to the **American Express Makeathon 2024** as part of a 4-member team, focusing on innovative solutions.
- Successfully advanced through Round 1 of the internal hackathon selection for **Smart India Hackathon 2024.**

Education

VIT Bhopal University	**CGPA: 9.04 | July 2022 – Ongoing**
Bachelor of Technology in Computer Science and Engineering	*Bhopal, Madhya Pradesh*
Guru Tegh Bahadur Public School	**98.8% | July 2022**
CBSE(XII)	*Meerut, Uttar Pradesh*
Guru Tegh Bahadur Public School	**95.2% | July 2020**
CBSE(X)	*Meerut, Uttar Pradesh*