

RITIK HEDAOO

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Summary

Front-end Software Engineer with strong web development and UX design experience, skilled in JavaScript, TypeScript, HTML, CSS, and React. Demonstrated ability to build efficient and reusable front-end systems while optimizing code for performance and security. Proven record of enhancing user experiences and collaborating with cross-functional teams in fast-paced environments.

Education

University of North Carolina at Charlotte

Aug 2023 - May 2025

Masters, Information Technology

- **GPA:** 4.0

Anurag Group of Institutions, Hyderabad, India

Jun 2017 - Jul 2021

Bachelor of Technology, Electronics and Communications

- **GPA:** 3.2

Work Experience

University of North Carolina at Charlotte

Jan 2024 - May 2025

Teaching Assistant (TA)

- Developed course materials and assignments based on Human-Centered Design (HCD) principles, aligning with best practices in user experience and collaboration with design teams.
- Delivered actionable feedback on HCD deliverables, improving project outcomes by 30% and reinforcing user-focused approaches central to frontend development.
- Conducted usability testing workshops that guided students through 10+ prototype refinements, emphasizing accessibility and cross browser compatibility.

Cognizant Technology Solutions

Nov 2021 - Jul 2023

Junior Software Engineer

- Engineered web applications using .NET MVC and integrated front-end techniques, enhancing code maintainability by 40% while supporting multi-tier application architecture.
- Optimized backend solutions with MySQL, which improved query performance by 25% and contributed to overall application scalability and reliability.
- Automated test cases to reduce bugs by 30%, ensuring smooth deployment and adherence to software development lifecycle best practices.
- Managed integration and migration efforts for 5+ systems using JavaScript, emphasizing agile methodologies and collaborative problem-solving to enhance overall system reliability.

Cognizant Technology Solutions

Feb 2021 - Aug 2021

Intern

- Built and maintained web applications using MVC architecture and .NET framework, improving user experience by 25%.
- Resolved critical system errors and optimized SQL database integration, increasing reliability by 20%.
- Contributed to SDLC processes, coordinating with teams to enhance project lifecycle efficiency.

Projects

Trivia Quiz App

Personal Project

- Developed wireframes and prototypes in Figma, improving development time by 20%.
- Constructed a scalable backend with NodeJS and MongoDB, supporting 1,000+ concurrent users.
- Integrated features such as adaptive routing and timer-based scoring logic, increasing user engagement by 30%.
- Deployed the app and improved it iteratively based on user feedback from 200+ testers.

Technical Skills

- **Tools & Skills:** UX Design, User Research, Wireframing, Prototyping, Figma, Sketch, Postman, REST APIs, Git Version Control, Agile
- **Languages:** JavaScript, TypeScript, C#, SQL
- **Frontend Development:** ReactJS, HTML5, CSS3, TailwindCSS, Bootstrap, Vue, Webpack, Gulp
- **Backend Development:** NodeJS, Express.js, ASP.NET, MVC
- **Databases:** MongoDB, MySQL
- **Development Concepts:** Functional Programming, Asynchronous Programming, Cross Browser Compatibility, Data Security, Accessibility, Multi-Tier Application Architecture