

# Ritika Balhara

P: +91 8053561688 | [rbalhara2004@gmail.com](mailto:rbalhara2004@gmail.com) | [GitHub](#) | [LinkedIn](#)

## EDUCATION

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**SRM University,**  
Master of Computer Application

Sonipat, Haryana  
Expected June 2026

**Hindu Girls College,**  
Bachelor of Computer Application  
Cumulative GPA: 8.5/10

Sonipat, Haryana  
2021–2024

## PROJECTS

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### Scriptlyyy

- Integrated **Clerk** for secure user authentication and session management, handling **100+ test signups**. Used **Lemon Squeezy** to manage a tiered **subscription system**.
- Built 5+ core features including **login, snippet sharing, starring, theme switching, and inline commenting** using a collaborative snippet system with **filtering** and **layout enhancements**.
- Employed **Convex** as a serverless backend to enable **real-time updates** and fast database interactions, and deployed via **Vercel**, achieving **<200ms load times**.
- Enhanced UX using the **Monaco Editor** with **live syntax highlighting, error detection**, and a responsive UI, reducing user interaction steps from **5 to 2** in key workflows.
- Used 7+ **technologies**, including Next.js, Convex, Clerk, and Lemon Squeezy, following **component-based architecture**.
- Conducted usability testing with **10 users**, collecting feedback and resolving **15+ issues** to improve performance and design.
- Completed over a **3-week development cycle** while balancing academic responsibilities and implemented **lazy loading** to improve code editor load time by **~30%**.

### WanderLust

- Built a full-stack web application using the **MERN** stack (MongoDB, Express.js, React, Node.js) with dynamic property listings and interactive maps using Leaflet.js.
- Integrated **Cloudinary** for image uploads and implemented secure user authentication using **JWT**.
- Designed **RESTful APIs** for smooth front-end and back-end communication and used Mongoose for efficient database handling.
- Deployed the application on **Render**, ensuring responsive design for a seamless user experience across devices.

## ADDITIONAL

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**Technical Skills:** Advanced in SQL, JavaScript, HTML/CSS, MongoDB, Node.js, React.js, Express.js, Java, Python

**Languages:** Fluent in English and Hindi

**Training:** Online Course on Web Development (Delta by Apna College), Online Course on Java programming and DSA (Alpha by Apna college)