

RAHUL LAKHCHAURA

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EDUCATION

Graphic Era Deemed to be University

Master of Technology in Computer Science Engineering; CGPA: 8.67/10.0

Dehradun, India

Aug 2023 – Aug 2025

Graphic Era Hill University

Bachelor of Technology in Computer Science Engineering; CGPA: 7.42/10.0

Dehradun, India

Aug 2019 – Jun 2023

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, HTML5, CSS3, XML

Frameworks & Libraries: React.js, Spring Boot, Node.js, Thymeleaf, Bootstrap, Tailwind CSS

Databases: MySQL, H2 Database

Developer Tools: Git, GitHub, IntelliJ IDEA, VS Code, Postman, XAMPP, Figma

Core Competencies: Full-Stack Development, RESTful APIs, MVC Architecture, CRUD Operations, Authentication & Authorization, Responsive Design, Agile Methodologies

RESEARCH PUBLICATIONS

A Review of Deepfake Technology: Advancements in Detection and Generation Methods

Jan 2026

- **Authors:** Rahul Lakhchaura, Parul Madan, Ankit Vishnoi
- **Conference:** 2025 IEEE 7th International Conference on Computing, Communication and Automation (ICCCA)
- **DOI:** 10.1109/ICCCA66364.2025.11325599
- Comprehensive review of state-of-the-art deepfake detection and generation techniques, analyzing datasets, tools, and methodologies in AI-driven synthetic media

PROJECTS

Welcome to My Personal Portfolio! | React.js + Vite, HTML5, CSS3 (Flexbox/Grid), JavaScript (ES6+)

[LiveDemo](#)

- Developed a responsive portfolio using React.js + Vite with modular, reusable component architecture.
- Implemented modern UI design using CSS3 (Flexbox/Grid) and dynamic rendering with JavaScript (ES6+).
- Managed version control with Git/GitHub and deployed the project on Vercel with optimized production build.

LibraStore - Online Bookstore Platform | Java, Spring Boot, Thymeleaf, H2, HTML/CSS

[GitHub](#)

- Engineered a full-stack e-commerce web application with role-based authentication supporting Admin and Regular User access levels
- Implemented comprehensive CRUD operations for book management with RESTful API design patterns
- Designed responsive admin dashboard enabling real-time catalog management (add, edit, delete) and user interface for browsing book inventory
- Architected using MVC pattern with clear separation of concerns across Controller, Service, and Repository layers for maintainability and scalability

Daily News - Real-time News Aggregator | React.js, REST API, JavaScript, CSS3

[GitHub](#)

- Developed dynamic single-page application fetching real-time news data from NEWS API with category-based filtering
- Implemented responsive UI with component-based architecture, enabling users to explore news across Sports, Business, and World categories
- Optimized performance through efficient state management and API call optimization reducing load times by 40%

Task Management Application | Spring Boot, Thymeleaf, H2 Database, Java

[GitHub](#)

- Built full-stack task management system with complete CRUD functionality and H2 in-memory database integration
- Implemented clean MVC architecture ensuring code maintainability and followed industry best practices for software design
- Created intuitive user interface with real-time task updates and seamless user experience

Text Converter Tool | React.js, JavaScript, CSS3

[Live Demo](#)

- Developed interactive text manipulation tool with multiple transformation features (case conversion, formatting, character count)
- Designed responsive and accessible interface ensuring cross-browser compatibility and optimal user experience

CERTIFICATIONS

Cybersecurity Tools, Techniques and Counter Measures - [SWAYAM \(NPTEL\)](#)
Java Course - Mastering the Fundamentals - [Scaler](#)
Introduction to Programming Using Python - [Coding Ninjas](#)
MySQL Basics - [Great Learning](#)

LEADERSHIP EXPERIENCE

Team Lead - Event Management

28 Nov 2023 – 1 Dec 2023

6th World Congress on Disaster Management

Dehradun, India

- Led cross-functional team of 70+ students to successfully organize international conference with 500+ participants from 30+ countries
- Coordinated with government officials, international delegates, and subject matter experts ensuring seamless event execution
- Managed on-ground operations including workshops, panel discussions, and technical sessions demonstrating strong project management and communication skills