

# SWATI SWARAJ

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## EDUCATION

### College Name

*Master in Computer Application - CGPA - 8.54*

National Institute of Technology, Raipur

*Raipur, India*

### College Name

*Bachelors in Computer Application - Percentage - 82.04%*

M.P.Sinha Science College

*Muzaffarpur, India*

## PROJECTS

### Restaurant Management System | MERN Stack (MongoDB, Express.js, React.js, Node.js)   **July 2025**

- Developed a full-stack web app for restaurant operations with modules for menu, order, table, and staff management.
- Built secure user authentication with JWT and implemented role-based access (admin, staff, customer).
- Analyzed responsive UI using React.js (with Hooks) and integrated real-time order status tracking.
- Designed 6+ RESTful APIs utilizing Express.js and MongoDB with Mongoose schema models; enabled efficient data management and streamlined the development process for three front-end developers..
- Performed manual and API testing (Postman), and applied client/server-side form validation for reliability.

### Interactive Quiz Web App | HTML, CSS, JavaScript

**June 2025**

- Built a dynamic web-based quiz application with multiple-choice questions and score calculation.
- Used JavaScript to manage question flow, validate answers, and provide real-time feedback.
- Designed a clean, responsive UI using CSS Flexbox and media queries for optimal device compatibility.
- Applied DOM manipulation and conditional logic to enhance user experience and interactivity.

### BMI Calculator | HTML, CSS, JavaScript

**June 2025**

- Developed a responsive BMI calculator web app to compute Body Mass Index based on user inputs of height and weight.
- Implemented input validation to ensure correct numerical entries and provided instant feedback messages.
- Used JavaScript to apply BMI formula and dynamically render the result along with health classification (e.g., underweight, normal, overweight).
- Designed clean and intuitive UI using CSS Flexbox and media queries for cross-device compatibility.

## TECHNICAL SKILLS

**Languages:** C, C++, Java, JavaScript, HTML, CSS

**Web Technologies:** React.js, Node.js, Express.js, REST APIs

**Database:** MongoDB, MySQL

**Tools & Platforms:** Git, GitHub, Postman, VS Code

**Computer Science Concepts:** Data Structures and Algorithms (DSA), OOPs, DBMS

## CERTIFICATIONS

- **Certified in SQL (Basic)** by HackerRank  
<https://www.hackerrank.com/certificates/iframe/a31047a7a167>   **July 2025**
- **Certified in Python (Basic)** by HackerRank  
<https://www.hackerrank.com/certificates/iframe/b922223134d1>   **July 2025**