

# RAJ MATHUR

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## EDUCATION

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### International Institute of Information Technology

*Bachelor of technology in Computer Science, 2nd year*  
CGPA - 7.54 (till 3rd sem)

Bhubanewar, Odisha

Nov. 2022 – April 2026

### Golden Bell Public School

*Higher Secondary Education*  
Percentage - 81.6

Bihar Sharif, Bihar

2019 - 2021

## PROJECTS

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### Social media Backend | *Spring boot, spring security, MySQL, JPA*

- Developed robust **backend** systems using **Spring Boot** to handle key functionalities like **post creation, liking, saving, reposting, and commenting**, ensuring smooth data flow and enhanced user engagement.
- Implemented **real-time messaging** capabilities leveraging **Spring Security** and **WebSockets** for seamless and secure communication.
- Utilized **MySQL** for **database management**, ensuring efficient storage and retrieval of user data, posts, messages. Implemented **JPA** and **Hibernate** for **ORM**, streamlining database interactions and **maintaining data consistency**.
- Built comprehensive **user profile management** features allowing users to **update profiles** and **manage connections through follow/unfollow actions**, ensuring data integrity and security.

### online Delivery Backend | *Spring boot, spring security, MySQL, JPA*

- Led the development of an online food delivery app using **Spring Boot** for **backend services**, and **Spring Security with JWT** for robust **user authentication and secure session management**.
- Utilized **MySQL** for managing the app's **database**, ensuring efficient data storage, retrieval, and management. Implemented **JPA** and **Hibernate** for **ORM** (Object-Relational Mapping) to streamline database interactions.
- Implemented **role-based access control** to differentiate user permissions for **customers and owners**, providing personalized experiences and **secure data access**.

### Todo Management App | *Java, SpringBoot, React, Jpa, Hibernate, Spring Security*

- Created a robust Todo application employing **Java, Spring Boot, Hibernate, React, and Spring Security**.
- Implemented **CRUD functionalities** ensuring seamless task management.
- Integrated Spring Security for **authentication and authorization**, bolstering data security.
- Designed an intuitive user interface for enhanced user experience and developed **RESTful APIs** for efficient data exchange between frontend and backend.
- Utilized **agile methodologies** for iterative development cycles, ensuring rapid project progression and responsiveness to user feedback.

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, SQL (MySQL), NoSQL (MongoDB), JavaScript, HTML/CSS,

**Frameworks:** React, SpringBoot, JPA, Hibernate, Spring Security

**Developer Tools:** Git / Github, Docker, AWS, VS Code, Visual Studio, Eclipse, IntelliJ Idea, canva, Codeblocks

**Others:** REST APIs, Data Structures and Algorithms, OOPs, DBMS, Problem Solving, Project Management, Leadership, Teamwork, Analytical Thinking

## ACHIEVEMENTS

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- Leetcode, rating - 1609 (350+ questions solved)
- HACKATHON : Hackfest (Top 4 out of 100+ teams) Developed an end to end project for farmers by integrating ML and Blockchain technology.
- HACKATHON : Smart Speedathon (Top 3) Developed an AI based ML model for College and Course recommendation system and made an end to end website for students integrating a chatbot.