Raj Mathur

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Education

International Institute of Information Technology Bhubaneswar — **Bhubaneswar, Odisha, India**
Bachelor of Technology in Computer Science and Engineering, — *2022 - Present*
CGPA : 7.61 (Till 4th semester)

Golden Bell Public School — **Bihar Sharif, Bihar, India**
Higher Secondary Education, — *2019 - 2021*
Percentage : 81.6 %

Software Projects

○ Book Social Network

Description: Full-stack application for book collection management and community engagement, featuring **secure user registration**, **JWT authentication**, and comprehensive book management.
Technologies: Spring Boot 3, Spring Security 6, Angular, JWT, Docker, GitHub Actions, OpenAPI, Bootstrap
Key Contributions:
- Implemented **user registration and JWT authentication**.
- Developed **RESTful APIs** with **OpenAPI documentation**.
- Used **Spring Data JPA** and **JSR-303** for data management and validation.
- **Dockerized** the app and set up **CI/CD pipelines**.
- Enhanced frontend performance with **Angular lazy loading**.

○ Social Media App Backend

Technologies: Spring Boot, Spring Security, MySQL, JPA
Key Contributions:
- Built a **backend system** for post management and user interactions.
- Implemented **real-time messaging** with **Spring Security** and **WebSockets**.
- Managed data with **MySQL** and **JPA/Hibernate**.
- Developed **user profile management** features.

○ Expense Tracker App

Technologies: Spring Boot, Spring Security, Spring Web, Spring Data JPA, JWT, HTML, CSS, JavaScript, React
Key Contributions:
- Developed an expense tracker with **user authentication** and **JWT security**.
- Created a **dashboard** for expense management and reports.
- Added **filtering options** for expenses by date, category, and more.
- Designed backend services for **authentication**, **reporting**, and **management**.

Technical Skills

○ **Languages:** Java, Python, C/C++, SQL (MySQL), NoSQL (MongoDB), JavaScript, HTML/CSS
○ **Frameworks:** React, Angular, Spring Boot, JPA, Hibernate, Spring Security
○ **Developer Tools:** Git/GitHub, Docker, VS Code, Visual Studio, Eclipse, IntelliJ IDEA
○ **Other Skills:** REST APIs, Data Structures and Algorithms, Object-Oriented Programming (OOP), Database Management Systems (DBMS), Problem Solving, Project Management, Leadership, Teamwork, Analytical Thinking

Achievements

○ **LeetCode Rating:** 1695 (450+ questions solved)
○ **Hackathons:**
- **The Innovation:** Runner-Up - Created a project showcasing innovative solutions.
- **Hackfest:** Top 4 out of 120 teams - Developed an end-to-end project for farmers integrating **Machine Learning** and **Blockchain** technologies.
- **GeoHack:** Finalist - Contributed to a project with significant geographical impact.