TAMOGHNO DAS

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Summary

Computer science student learning backend development with Spring Boot and FastAPI. Building REST APIs and strengthening SQL skills through hands-on projects.

Technical Skills

Programming & Querying: Java, SQL, Python
Frameworks: Spring Boot, Spring Security, JPA/Hibernate
Databases: ORACLE, H2
Tools: Git, Docker, IntelliJ IDEA, Postman, Swagger
Concepts: OOP, REST APIs
Soft Skills: Problem Solving, Analytical Thinking, Quick Learner, Team Collaboration, Communication

Projects

Aadhar Management System | *Spring Boot, JPA, ORACLE*   AADHAR-MANAGEMENT
- Developed an Aadhar Management System using Spring Boot with a One-to-One relationship between Aadhar and User entities.
- Implemented RESTful API endpoints for CRUD operations on users and their Aadhar details.
- Used Spring Data JPA with proper entity mapping annotations (`@OneToOne`, `@JoinColumn`) for relational modeling.
- Tested endpoints using Postman and ensured data consistency within the ORACLE database.

Tutorial Management System | *Java, JDBC, ORACLE*   TUTORIAL-MANAGEMENT-SYSTEM
- Developed a console-based tutorial management application using Java and JDBC for database interaction.
- Implemented CRUD operations on tutorial records using prepared statements to ensure secure SQL execution.
- Designed and connected ORACLE database schema to persist tutorial data efficiently.
- Handled SQL exceptions and validated user inputs to maintain application stability and data integrity.

Information-Gather-Tool | *Python,Tkinter*   INFO-GATHERING-TOOL
- Built a Python-based information gathering tool to retrieve and analyze network or system data.
- Developed core functionality in `app.py`, integrating utilities to extract IP and related information.
- Used Python scripting and libraries to design interactive command or web interface (Tkinter) for user input and results display.
- Tested tool functionality through real case scenarios, ensuring accurate data collection and response formatting.

Student Management System | *ORACLE*   STUDENT-MANAGEMENT
- Designed a relational database schema for managing student records using SQL.
- Created tables with primary keys, foreign keys, and constraints to maintain data integrity.
- Wrote SQL queries for inserting, updating, deleting, and retrieving student information.
- Used joins, aggregate functions, and conditional queries to generate meaningful insights from student data.

Certifications

- **CyberSecurity (Minor) – Coursera**

Education

Bachelor of Technology in Computer Science	**2023 − 2027**
University of Engineering and Management, Kolkata	*Avg CGPA: 7.86*
Higher Secondary Education (Class XII)	**2023**
Hindu School, Kolkata	*Percentage: 82.2%*
Secondary Education (Class X)	**2021**
Hindu School, Kolkata	*Percentage: 86.4%*