Tamoghno Das

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Summary

Computer Science student focused on backend development using Java, Spring Boot, and FastAPI. Experienced in building REST APIs, database design, and improving system efficiency through hands-on projects.

Technical Skills

Programming: Java 8, Python
Frameworks: Spring Boot, Flask
Databases: Oracle(SQLPLUS), PL/SQL, H2
Tools: Git, Docker, Postman, Swagger
Concepts: OOP, REST APIs, Database Management, Software Engineering
IDE : IntelliJ IDEA, VS CODE, Eclipse (temurin)

Projects

Aadhar Management System | Spring Boot Java Oracle JPA ⬡
- Developed RESTful backend with One-to-One entity mapping for Aadhaar and user data.
- Automated validation and persistence, reducing manual effort by **40%**.

Tutorial Management System | Java JDBC Oracle ⬡
- Built secure CRUD console application using JDBC and prepared statements.
- Improved application stability through exception handling and validation.

Information Gather Tool | Python Tkinter ⬡
- Developed automation tool to extract system and network information.
- Reduced manual diagnostics effort by **50%** with interactive GUI.

Student Management System | SQL Oracle ⬡
- Designed normalized database and optimized SQL queries.
- Generated insights using joins and aggregation functions.

Telegram Chatbot Automation | n8n Telegram API Automation ⬡
- Built no-code Telegram chatbot using n8n for automated responses.
- Improved workflow efficiency and reduced manual interaction by **60%**.

Medical Information System | Python Flask Gemini API ⬡
- Developed an ML-powered Flask web application to analyze medical data and provide predictive insights through RESTful APIs.

Certifications

Information Theory | Coursera — **Mar 2025**	View
Advanced System Security Topics | Coursera — **Oct 2024**	View

Education

B.Tech in Computer Science	**2023 − 2027**
University of Engineering and Management, Kolkata	*CGPA: 7.86*
Higher Secondary Education	**2023**
Hindu School, Kolkata	*82.2%*
Secondary Education	**2021**
Hindu School, Kolkata	*86.4%*