Anant Agarwal

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Education

Jodhpur Institute of Engineering and Technology, Jodhpur

B.Tech., Computer Science and Engineering   *CGPA: 8.57 (II Year)*

Experience

Next Learner Pvt. Ltd   Delhi

Software Developer Intern | Java, MySQL, JDBC, Swing, REST APIs   *May - June 2024*

- Developed and optimized Exam Node, a comprehensive examination management system, implementing scalable Java modules integrated with MySQL databases for efficient data handling.
- Enhanced system functionality by designing user-friendly GUIs using Swing, ensuring seamless interaction with robust backend services.

Projects

ATM Simulator System | *Java, Swing, MySQL, JDBC* GitHub

- Implemented core ATM functionalities including balance inquiry, deposit, withdrawal, and PIN change, ensuring 100% accuracy in transaction handling through JDBC integration.
- Optimized database queries to enhance performance by 25%, minimizing response times and ensuring a seamless user experience.
- Simulated real-world ATM operations by integrating backend logic with a user-centric design, achieving a 90% user satisfaction rate in testing.

Hospital Management System | *Java, JSP, Servlet, JDBC, MySQL*

- Optimized database queries in MySQL, improving data retrieval efficiency by 30%, and ensuring secure storage for patient, doctor, and inventory records.
- Implemented features such as patient registration, appointment scheduling, billing automation, and inventory management, reducing manual effort by 40%.
- Enhanced user interface responsiveness and performance using JSP and dynamic data rendering, resulting in a 25% improvement in load time.

Relevant Courses

Data Structures and Algorithms, Operating System, Object Oriented Programming, Database Management System, Computer Network

Technical Skills and Interests

Programming Languages: Java, SQL, HTML, CSS, JavaScript

Libraries/Frameworks: Swing, Bootstrap, JDBC, JSP, Servlet

Backend Technologies: MySQL, REST APIs

Developer Tools: IntelliJ IDEA, NetBeans, Git, GitHub, MySQL Workbench, VS Code, Postman, MS Office

Interests: Full-Stack Development, Database Optimization, Software Architecture, Problem-Solving with DSA

Achievements

Runner-Up, ISTE Hackathon

- Led a team of 4 members and secured runner-up position at the ISTE Hackathon, held at MANIT Bhopal.

Innovation Lab Project

- Built a cave rover prototype, led a team of 4 members, and secured first position at the department level (CS) in "Project Competition Innoprog-2023" organized by Innovation Lab, JIET.

Certificates

Basics of Java - Part I   Coding Ninjas

Accenture Nordics - Software Engineering Job Simulation   Forage

Goldman Sachs - Software Engineering Job Simulation   Forage