

HARSH DESAI

📞 8319518554 | ✉️ hdesai29072003@gmail.com | 🌐 harsh desai | 📧 harshdesai07

EDUCATION

Kendriya Vidyalaya Sangathan - Percentage: 83

Class 10th

May 2018 - March 2019

Bhopal, Madhya Pradesh

Rukhmani Devi Public School - Percentage: 80

Class 12th

May 2020 - March 2021

Bhopal, Madhya Pradesh

Rajiv Gandhi Proudhyogiki Vishwavidyalaya - CGPA: 8.0

Bachelor of Science in Computer Science and Business System

November 2021 - June 2025

Bhopal, Madhya Pradesh

PROJECTS

Banking System | Java, JDBC, MySQL

January 2024

- Designed a console-based banking application using **Java and JDBC** integrated with MySQL, supporting the management of up to 500 customer accounts and processing over 1,000 transactions efficiently.
- Implemented core banking functionalities, including **account creation, fund transfers, deposits, withdrawals, and balance inquiries**, handling over **1,000+ transactions daily** through a user-friendly command-line interface, improving transaction processing efficiency by **30%**.
- Ensured accurate database synchronization by executing **CRUD operations** on 100+ records, leveraging prepared statements to prevent SQL injection, and employing robust exception handling for seamless error management.
- Engineered a **JDBC-based** solution for seamless database connectivity with MySQL, resulting in a 40% enhancement in data retrieval speed while managing structured data for over 20,000 user records.
- Enhanced application maintainability and scalability by developing modular and reusable code using **Object-Oriented Programming (OOP) principles**, achieving a 50% reduction in code duplication which increases code readability.

Watchlist App | Springboot, Thymeleaf, JPA, Bootstrap, MySQL

March 2024

- Created a movie management app using **Spring Boot**, allowing users to add, update, and delete movies with details like name, priority, and comments, managing a database of over **1,000 movies**.
- Integrated **IMDb API** to fetch and display movie ratings automatically during the addition process, reducing manual input effort by **70 percent**.
- Implemented seamless **CRUD operations** for efficient database management, handling up to **500 concurrent requests** with robust backend architecture and **20+ custom exception handlers** for error management.
- Developed **3+ REST APIs** that facilitated watchlist operations, optimizing response times by **40%**, and tested them rigorously using **Postman** to ensure reliability.
- Built a modular and scalable application demonstrating expertise in backend development and **API integration**, adhering to industry-standard practices, **which resulted in a 30% improvement in development time**.

Student Management | Springboot, Thymeleaf, JPA, Bootstrap, MySQL

June 2024

- Supports managing up to **500+ student records**, allowing operations such as adding, viewing, updating, and deleting student details like name, roll number, date of birth, and contact information.
- Implements **20+ Create, Read, Update, and Delete (CRUD)** functionalities to ensure seamless and efficient management of student records.
- Stores student data in a **MySQL database** with a capacity to handle **1,000+ records**, ensuring secure and reliable persistent storage.
- Designed with scalability in mind to accommodate a growing database of up to **10,000 students** without significant performance degradation.
- Enhanced user experience** by reducing data retrieval time by 40% through optimized query performance, ensuring quick access to student records even in **high-load scenarios**.

TECHNICAL SKILLS

Languages: Java, Leetcode 300+

Frontend: HTML, CSS, Bootstrap

Backend: JDBC, JPA, Hibernate, Springboot

Database: MySQL

CERTIFICATES

Java With DSA And Development — [Link](#)

- Completed an industry-recognized **certification course in Java, Data Structures, Algorithms, and Development**, gaining hands-on experience in designing efficient algorithms, implementing robust data structures, and **applying object-oriented programming principles** to build scalable software applications.

PROBLEM-SOLVING EXPERIENCE

LeetCode

- Showcased in-depth expertise in algorithm design, data structure implementation, and optimization techniques by solving over 300 algorithmic challenges on LeetCode.
- This accomplishment reflects a strong ability to tackle diverse computational problems efficiently, develop innovative solutions, and excel in high-pressure scenarios, further enhancing problem decomposition.