PRANAV PATIL

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OBJECTIVE

Computer Science student with experience building Java-based applications and working with MySQL databases, seeking a Java backend internship to improve backend performance, write clean code, and learn industry best practices from senior engineers.

SKILLS

Core Java, Object-Oriented Programming (OOP), Data Structures & Algorithms, Java Collections Framework, SQL & MySQL, JavaFX, Multithreading, Database Management, Java 8, HTML, CSS.

TOOLS

Git & Version Control, IntelliJ IDEA, MySQL Workbench, Maven, VS Code.

PROJECTS

CRICKET TOURNAMENT MANAGEMENT SYSTEM (IPL SIMULATOR)
Technologies: Java Core, JavaFX, JDBC, MySQL, Java 8 Streams, Multithreading.

- **Implemented complex sorting logic** using **Java Comparator and Comparable** interfaces to rank players dynamically by Batting Average and Strike Rate.
- **Engineered a match simulation engine** using **Multithreading** to calculate match results in the background without freezing the UI.
- **Utilized Java 8 Stream API** to filter and aggregate player statistics (e.g., "Find all bowlers with Economy < 7.0") for real-time reporting.
- **Integrated File I/O operations** to automatically export match summaries and points tables into CSV format for external analysis.

SMART EXPENSE TRACKER WITH REPORTING
Technologies: Java, Hibernate (ORM), MySQL, Java 8 Lambdas.

- **Data Persistence: Implemented** Hibernate ORM for efficient data persistence, eliminating the need for raw SQL queries.
- **Data Analysis:** Utilized Java 8 Streams & Lambdas to calculate "Total spent on Food this month" or "Average daily spend" (expenses.stream().filter().mapToDouble()).
- **Budget Alerts: Developed** an automated alert system to notify users when spending exceeds defined budget limits.
- **Bulk Import:** Integrated File Handling (I/O) to read bank statements from a text file and auto-populate the database.

EDUCATION

B. Tech	Computer Science Engineering	RGPV	CGPA – 7.02.	2024 – 2027
Diploma	Information Technology	Gujarat Technology University	CGPA – 8.32.	2021 – 2024
SCC	Gnyan Ganga Eng High School	Percentage – 63.	2021 – 2024