**🏏 Cricbuzz LiveStats**  
  
**📌 Overview**  
Cricbuzz LiveStats is a Streamlit-based dashboard + ETL pipeline that:  
  
Fetches cricket data from the Cricbuzz API (via RapidAPI).  
Stores structured data in a MySQL database.  
Provides an interactive Streamlit dashboard to view live stats, run queries, and manage records.  
  
**📂 Folder Structure**  
Cricbuzz-LiveStats/  
│── app.py # Main entry point for Streamlit app  
│── requirements.txt # Python dependencies  
├── notebooks/ # Jupyter notebooks for exploration  
├── pages/ # Streamlit multipage app  
│ ├── home.py  
│ ├── live\_matches.py  
│ ├── top\_stats.py  
│ ├── sql\_queries.py  
│ ├── crud\_operations.py  
├── utils/ # Utility scripts  
│ ├── create\_schema.py  
│ └── test\_mysql\_conn.py  
└── .streamlit/ # Streamlit configuration  
  
**🛠 Tools & Technologies**  
- Python 3.10+  
- Streamlit → Web interface  
- SQLAlchemy + PyMySQL → MySQL database connection  
- Requests → API integration  
- Pandas → Data transformation  
- phpMyAdmin (optional) → GUI for MySQL database management  
  
**📊 Features**  
- Live Matches → View ongoing matches in real-time  
- Top Stats → Analyze batting and bowling records  
- SQL Queries → Run predefined and custom SQL queries  
- CRUD Operations → Insert, update, and delete records in the DB  
- ETL Load → Extract data from API and load into MySQL  
  
**🗄 Database Management**  
The project uses MySQL as the backend database, connected through SQLAlchemy + PyMySQL.  
  
- Manage data directly from the Streamlit app (crud\_operations.py, insert\_query.py).  
- Connect using the MySQL CLI or any database client.  
- If installed, phpMyAdmin provides an additional GUI to explore and manage the database.