TAMILKODI. V

Mobile: 8610460307

E-mail Id: [vstamilkodi@gmail.com](mailto:vstamilkodi@gmail.com)

Address: Chennai - 110

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**CAREER OBJECTIVE**

Highly skilled and experienced MySQL Developer with three years of hands-on expertise in designing, implementing, and maintaining MySQL databases. Proficient in SQL programming, performance tuning, and database optimization. Seeking a challenging position to utilize my skills and contribute to the success of an organization.

**CORE COMPETENCIES AND TECHNICAL SKILLS**

* Proficient in MySQL database design, implementation, and maintenance.
* Strong command of SQL programming, including complex queries, joins, and subqueries.
* Experience with query optimization, performance tuning, and database indexing.
* Knowledge of database normalization principles.
* Strong problem-solving and troubleshooting skills.
* Detail-oriented with a focus on data accuracy and integrity.
* Experience in version control systems such as Git.

**EXPERIENCE TIMELINE**

* Software Engineer - Bahwancybertek Pvt Ltd, Chennai from July 2017 to November 2020.
* Processor in SOURCEHOV India Pvt Ltd, Chennai from April 2012 to December 2014.

**EDUCATIONAL QUALIFICATION**

* 71% with First Class - B. E. Computer Science from Jaya Engineering College, Thiruninravur.

**CERTIFICATIONS**

* Full Stack with Python course from Besant Technologies.

**PROJECT DETAILS**

**Student Management System**

**PROJECT DESCRIPTION**

The MySQL project is a simple Student Management System designed to manage information related to students, courses, and their marks. The system consists of three tables: **student\_info, course\_info**, and **mark\_info.**

The project provides various functionalities through SQL queries to manage student information efficiently. It includes queries to perform tasks such as inserting student records, updating student details, calculating total marks and averages, filtering students based on criteria, and more.

Features of the Student Management System:

1. Basic CRUD Operations: Create, Read, Update, and Delete operations for managing student information.
2. Data Validation: The system ensures data integrity by using foreign keys and validating the input data.
3. Querying and Filtering: It allows users to retrieve specific data based on conditions like city, age, course, etc.
4. Calculating Total Marks and Averages: The system calculates the total marks and average marks for each student based on their individual subject scores.
5. Grade Calculation: The system computes grades based on total marks achieved by the students, allowing differentiation between pass and fail.
6. Indexing: Indexing is implemented to optimize query performance for faster retrieval of data.
7. Views and Stored Procedures: Views and stored procedures are used to provide simplified access to specific data and execute repetitive tasks efficiently.
8. Triggers: A trigger is employed to automatically update the total marks in the student\_info table whenever new marks are inserted into the mark\_info table.

GitHub Link: <https://github.com/TamilkodiVinayagam/sqlproject>

**MYSQL DEVELOPER** July 2017 to November 2020

Bahwancybertek Pvt Ltd, Chennai

Project Name : Nook Digital Application

Methodology : Agile

Domain : eBook

Tool : Mysql Workbench

Environment : Windows based

Client : Barnes & Noble

**PROJECT DESCRIPTION**

Barnes & Noble.com leverages the power of the Barnes & Noble brand to offer online customers the Web's premier destination for books, eBooks, magazines, toys & games, music, DVD and Blu-ray, and related products and services.

**RESPONSIBILITIES**

* Created complex SQL queries, stored procedures, and triggers to meet specific project requirements.
* Collaborated with cross-functional teams including developers, analysts, and business stakeholders to understand data needs and implement database solutions.
* Optimized database performance through index tuning, query optimization, and database normalization techniques.
* Worked closely with the IT team to troubleshoot and resolve database-related issues in a timely manner.