TAMILKODI. V

Mobile: 8610460307

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

Address: Chennai - 110

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**CAREER OBJECTIVE**

Highly motivated and enthusiastic Python Developer, eager to kickstart a career in software development. Seeking an opportunity to utilize my strong programming skills and passion for problem-solving to contribute to a dynamic and innovative team.

**CORE COMPETENCIES AND TECHNICAL SKILLS**

* Proficient in Python programming language and MySQL database management.
* Solid understanding of fundamental programming concepts and principles.
* Knowledge of data structures and object-oriented programming (OOP).
* Familiarity with web development frameworks like Django.
* Basic understanding of front-end technologies such as HTML, CSS, and JavaScript.
* Strong problem-solving and analytical skills.
* Excellent communication and teamwork abilities.
* Self-motivated and eager to learn new technologies.
* Experience in version control systems such as Git.

**EXPERIENCE TIMELINE**

* Internship in Besant Technologies - Present.
* 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.

**PROJECT DETAILS**

**PYTHON DEVELOPER** present

Besant Technologies, Chennai

**PROJECT DESCRIPTION**

Tic Tac Toe Game:

* Developed a command-line Tic Tac Toe game using Python.
* Implemented a board representation using a 2D list to track player moves.
* Created functions to print the board, check if the board is full, and determine a win condition.
* Utilized a while loop to iterate through player turns until a win or tie is reached.
* Validated user input to ensure moves are within the board's range.
* Displayed the current player's turn and prompt for row and column input.
* Detected and prevented moves on occupied positions.
* Utilized conditional statements to check for a win condition and display the winner.
* Handled a tie condition when the board is full without a winner.
* Demonstrated proficiency in Python syntax, control flow, and basic data structures.
* Showcased problem-solving skills by implementing the game's logic and handling edge cases.

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

Simple Calculator:

* Implemented the GUI using Tkinter to create a user-friendly calculator interface.
* Incorporated button widgets for numbers, decimal point, and arithmetic operations.
* Utilized global variables and string manipulation to handle user input and expression evaluation.
* Included error handling to display "error" in case of invalid input or division by zero.
* Utilized eval() function to evaluate the input expression and calculate the result.
* Displayed the result in the entry field of the calculator interface.

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

**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.
* Conducted regular database maintenance tasks, including backup and recovery procedures, to minimize data loss and ensure high availability.
* Worked closely with the IT team to troubleshoot and resolve database-related issues in a timely manner.
* Assisted in the migration of databases from legacy systems to MySQL, ensuring data accuracy and minimal downtime.

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