

# SABARI VEL

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9566851725 • GitHub • LeetCode • HackerRank

## TECHNICAL SKILL

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**Programming Languages:** C++, Java, Python, PHP

**Databases and Query Languages:** MySQL, SQL, MongoDB

**Data Analysis and Visualization:** Power BI, Excel

**Tools and Technologies:** Git, GitHub, Docker

## PROJECTS

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### MCA Portal [Project Link]

- Developed the backend of a full-stack MCA Portal web application to centralize workflows such as document submission, OD applications, payments, and internal communication. Optimized **MySQL** queries for high-performance **APIs**, implemented secure OTP verification and session locking for user protection, and integrated Razorpay and PHPMailer for seamless payments and email services using **PHP** and **JavaScript**.

### Board Battle : Interactive Chess Game Using WPF [Project Link]

- Developed a fully functional chess game using **C#** and the **.NET Framework** with a responsive **WPF/XAML**-based GUI, incorporating smooth animations, real-time player interactions, and dynamic game logic for accurate rule enforcement. Applied **OOP principles** to ensure modular, maintainable code.

### Shopify Data Analysis and Reporting in Power BI [Project Link]

- Built an interactive Power BI dashboard using raw Excel data from Shopify, performing data cleaning and transformation with **Power Query**, modeling data and creating calculated measures with **DAX** to deliver drill-through reports and actionable insights that support data-driven business decisions.

### Digital Data Hub : Digital Information and Services Hub [Project Link]

- Developed a data management platform using **PHP** and **JavaScript** to collect, store, and display user information on driving licenses, government policies, and legal guidelines. Optimized **MySQL** data handling for performance improvement and implemented **OTP verification** with session locking to ensure user security and prevent unauthorized access.

### Tic Tac Toe Game Application [Project Link]

- Developed an interactive Tic-Tac-Toe game in **C++** using the **SFML Library**, featuring a GUI with visual cues for player turns and win conditions, core game logic for move validation and win detection, and integrated sound effects for actions like marking, winning, or resetting to enhance user engagement.

## ACHIEVEMENTS




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### Coding

- Solved **200+ problems** in Leetcode with handle **sabarivel0928**

## CERTIFICATIONS

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- HackerRank Skill Certification for SQL 
- Software Testing - NPTEL 
- Data Science - IBM 

## EDUCATION

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### Master of Computer Applications

PSG College of Arts and Science  
Bharathiar University, Coimbatore, Tamil Nadu

Graduating 2026

8.6 GPA

### Bachelor of Computer Applications

PSG College of Arts and Science  
Bharathiar University, Coimbatore, Tamil Nadu

Graduated 2024

8.53 GPA