

Sabari Vel G

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EDUCATION

PSG COLLEGE OF ARTS SCIENCE

MCA (PURSUING)
Coimbatore, TamilNadu
Grad: 2026

PSG COLLEGE OF ARTS SCIENCE

BCA IN COMPUTER APPLICATION
Coimbatore, TamilNadu
Cum.GPA: 8.6 | Grad: 2024

SV MATRIC HR. SEC

HSC - 2021
Salem, TamilNadu
PERCENTAGE: 91.49

SKILLS

LANGUAGES

Advance: C++
Intermediate: C | Python | Java | PHP |
C# | HTML | CSS | SQL

TOOLS & TECHNOLOGIES

GIT | MongoDB | Jenkins | Docker

TECH PROFILE LINKS

Leetcode - leetcode.com/sabarivel0928
Github - github.com/sabarivel73

ACHIEVEMENTS

CODING

Solved 200+ problems in Leetcode with handle **sabarivel0928**
This one is useful to enhancing skill in logical thinking and problem solving

COURSEWORK

GRADUATE

Data Structures
Object-Oriented Programming
Full Stack Web Development
DevOps
DBMS

CERTIFICATIONS

Software Testing - NPTEL [Certificate]
Data Science - IBM [Certificate]
SQL - HACKERRANK [Certificate]
Cyber Security - INFOSYS [Certificate]

PROJECT

BOARD BATTLE : INTERACTIVE CHESS GAME USING WPF

Nov 2024 – Dec 2024 [Project link]

- Developed a fully functional chess game with real time player interactions. Build an interactive **Graphical User Interface(GUI)** with smooth animations and responsive controls, improving user experience.
- Implemented dynamic game logic to simulate chess rule, including piece movement and check/checkmate detection, reducing errors by **99%**.
- Optimized application performance, achieving a **20% faster load time** by streamlining code and reducing unnecessary UI rendering. Applied **Object-Oriented Programming(OOP)** principles to ensure modular and maintainable code, resulting in a **25%** reduction in future development time for new features.
- Tech Stack : **C#, .NET Framework** | UI/Design : **WPF, XAML**

DIGITAL DATA HUB : DIGITAL INFORMATION & SERVICES HUB

Jan 2024 – Mar 2024 [Project link]

- Developed a data management platform to collect, store and display essential user information regarding driving licenses, government policies & schemes and legal guidelines.
- Optimized data storage and retrieval** in MySQL, ensuring fast and reliable access to user information, improving overall platform performance by **25%**.
- Implemented **OTP verification and session locking**, ensuring **100% user security** and preventing unauthorized access.
- Tech Stack : **PHP, JavaScript** | Database : **MySQL**

TIC TAC TOE GAME APPLICATION

Oct 2024 – Nov 2024 [Project link]

- Developed a fully interactive tic-tac-toe game, featuring a GUI to enhancing user engagement and make gameplay interesting.
- Implemented core game logic** such as move validation, win detection and offering clear visual cues for **current player's turn and winning combinations**.
- Integrated sound effects** for in game actions like marking a spot, winning, tie or game reset. It enhancing the sensory experience and make the game more immersive.
- Tech Stack : **C++** | Library : **SFML**

STUDY PAPER

AN IN-DEPTH ANALYSIS OF DEVOPS TOOLS AND MECHANISMS

[Paper PDF link]

Authors - Sabari Vel, Esakkiraj, Dr.Nithyanandh Selvam.

Presented at - ICRTCTS, 2025 [Certificate]

Institution - PSG College of Arts & Science.

Department - Computer Application Department(PG).

Study Paper Focus

- Investigated the impact of **Docker, Jenkins** and **Kubernetes** in reducing deployment time by up to **70%** in automated CI/CD pipelines.
- Analyse automated testing pipelines using Jenkins to integrate **unit tests, integration tests** and **UI testing** into the CI/CD pipeline, resulting in a **90%** reduction in manual testing time.