Sabari Vel G

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EDUCATION

PSG COLLEGE OF ARTS SCIENCE
MCA (Pursuing)
Coimbatore,TamilNadu
Cum.GPA:8.7 | 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

TECHNICAL SKILLS

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

TOOLS & TECHNOLOGIES
GIT | MongoDB | Power BI | Docker

TECH PROFILE LINKS

Github - **github/sabarivel73**
Leetcode - **leetcode/sabarivel0928**
HackerRank - **hackerrank/sabarivel0928**

ACHIEVEMENTS

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

AREA OF INTEREST

CORE INTEREST
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

MCA PORTAL : COLLABORATED PROJECT
Worked as the Backend Developer and Our Frontend Design [Click Here]
Apr 2025 – May 2025 [Github Page - Project link]

- We Developed a full-stack MCA Portal Web Application and it centralize workflows like manual systems for document submission, OD applications, Payments and internal communications.
- **Optimized data storage and retrieval** in MySQL, ensuring fast and reliable **API** for user payment and improving overall performance.
- Implemented **OTP verification and session locking**, ensuring **100% user security** and preventing unauthorized access.
- Tech Stack : **PHP, JavaScript** | Database : **MySQL** | APIs : **Razorpay (Payment Gateway), PHPMailer (Email OTP System)**

BOARD BATTLE : INTERACTIVE CHESS GAME USING WPF
Nov 2024 – Jan 2025 [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.
- Tech Stack : **C#, .NET Framework** | UI/Design : **WPF, XAML**

SHOPIFY DATA ANALYSIS AND REPORTING IN POWER BI
June 2025 [Project link]

- Power BI dashboard project using raw excel data exported from Shopify. The dashboard provides in depth analysis of key business metrics.
- **Data Cleaning** and transformation using **power query** followed by building data models and calculated measures using **DAX**.
- Developed interactive and drill-through reports to support business decision making with clear, data driven insights.
- Tech Stack : **Power BI, Power Query, DAX**

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.