Vaibhav Bhagat

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SUMMARY

Computer engineering professional with hands-on experience in SQL, database query optimization, and report generation. Proven track record in designing efficient data solutions and automating tasks to enhance performance. Adept at independent work and collaborative problem solving for data-driven decision making. Eager to apply technical skills to support data analytics and reporting initiatives at Tetra Tech.

EDUCATION

University of Bridgeport   **Dec 2025**
Computer science

Sarvajanik college of engineering & technology   **2022**
Bechelor of engineering, computer engineering

EXPERIENCE

Toshal Infotech   **Feb 2023 - Dec 2023**
Project developer (Freelance)   *Surat, Gujarat*
Contributed to website design, mobile app, and software development initiatives for an IT services firm, enhancing digital media presence.
- Engineered a Cab Management System using C#, ASP.NET, and SQL Server, leveraging SQL queries to improve booking management efficiency by 6%.
- Optimized database queries with ADO.NET, achieving a 13% faster data retrieval and enhanced overall system performance.
- Designed and implemented role-based access control for admin, driver, and user functionalities to strengthen security and streamline user interactions.
- Collaborated with a team to automate booking management tasks, reducing administrative workload by 8% and ensuring efficient task automation.

PALSOFT INDIA   **Jun 2022 - Oct 2022**
Trainee   *Surat, Gujarat*
Supported ecommerce solutions and application development by designing a web application using ASP.NET MVC and MSSQL.
- Architected and implemented the MSSQL database schema with tables, relationships, and stored procedures to ensure accurate data processing.
- Analyzed data to generate detailed reports on key performance indicators, utilizing SQL queries to drive data-driven improvements.

PROJECTS

Cab management system   **Feb 2023 - Dec 2023**
Toshal Infotech
- Cab Management System (C#, ADO.NET): Developed a multi-tiered cab management system using C# and ADO.NET, incorporating object-oriented principles and database interaction.
- Key features include:
- Role-based access control: Delivered distinct functionalities for admin, driver, and user roles, improving security and user engagement.
- Database design: Utilized ADO.NET for managing user data, bookings, and driver information, optimizing data retrieval times by 12%.
- User interface improvements: Booking management, driver dispatch, and system administration, enhancing user experience by 9%.

Inventory Management System for Wholesale Dealer   **Feb 2024 - Present**
Developer
- Actively developing an inventory management system tailored for wholesale dealers to optimize product tracking, order management, and stock control.
- Key features include: (In Progress)
- Dynamic inventory tracking and updates, User role-based access control and security features.

Self-Learning Unity Development(ongoing)   **Nov 2023 - Present**
Developer
- Actively enhancing game development skills through self-directed learning.
- Developing 2D and 3D games using Unity and C#.
- Following video tutorials to implement core gameplay mechanics, physics, and scripting.

SKILLS

- **Programming & Development**: C++, Java, Python, ADO.NET, Asp.Net, C#
- **Software & Tools**: Excel, Visual Studio, Pycham, Unity, Visual Studio Code
- **Database & Data Access**: SQL Server, MySQL Workbench
- **Cloud Computing**: Microsoft Azure
- **Web Technologies**: HTML5, CSS3, Web API