LINDANI MASHWAMA
University of KwaZulu-Natal Graduate

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Projects

Driving School Booking Website   Nov/2024

Driving School Management System with Power BI Integration
Developed a dynamic web application that enables customers to register, log in, view available driving school packages, and make or cancel bookings. The system provides managers with integration to Power BI for business intelligence insights. Instructors can log in to view their upcoming appointments.

Technologies Used: Visual Studio 2019 (ASP.NET for web development), Power BI (Business Intelligence), Microsoft SQL Server Management Studio 18 (Database Management and Storage), C# (for backend development), SQL (for database queries), JavaScript, HTML, CSS (for front-end development)

Trivia Game   May/2024

Time-Based Trivia Game with Multiple Difficulty Levels
Developed a time-based trivia game with three difficulty levels, where the difficulty increases with each level and the time to answer decreases, making it progressively more challenging. The game tracks top-performing players, storing their scores in a text file, while shuffled questions are stored in a separate text file.

Technologies Used: C++ (for game logic and development), Code::Blocks (IDE), SFML (for graphics and interface), Text Files (for storing player scores and questions)

Restaurant Point of Sale (POS) System with Integrated Inventory Management
Developed a comprehensive POS system that streamlines order management and inventory tracking. The system enables wait staff to place orders and process payments, while chefs can accept or cancel orders. Managers have the ability to monitor and update inventory, as well as manage user registrations and deactivations.

Technologies Used: C# (for application logic and user interface), SQL (for database queries and management), Visual Studio 2019 (Frontend Development), Microsoft SQL Server Management Studio 18 (Database Management and Storage)

Education

University of KwaZulu-Natal   Dec/2024

Bsc Computer Science and Information Technology

- Gained a solid foundation in computer science principles, programming languages, software development, data structures, and algorithms.
- Acquired practical skills in IT infrastructure, networking, and system administration.
- Actively participated in collaborative, group-based projects, developing teamwork and problem-solving skills through real-world applications of theory and technology. ▪ Hands-on experience with key technologies, including tools such as Python, Java, SQL and more.
- Focused on both theoretical knowledge and practical skills, preparing for roles in software development, systems analysis, and IT management.

Skills

HTML | JavaScript | Cascading Style Sheets (CSS) | Microsoft Power BI | C++ | Shell Scripting| C# .Net | Java | Python (Programming Language) | Microsoft SQL Server |

Summary

A highly motivated individual with a strong foundation in Computer Science and Information Technology, demonstrated through proven project experience in school group settings. Skilled in programming languages such as C#, Java, and Python, with a passion for leveraging technology to develop innovative and impactful software solutions. During academic group projects, gained valuable interpersonal skills, collaborating effectively with team members and utilizing project management tools like **Teamwork** to track progress and hold virtual meetings when in-person meetings were not possible. Enthusiastic about contributing to the growth and success of an organization by creating effective, efficient, and user-friendly applications. Adept at developing software that aligns with an organization's commitment to excellence and innovation in the tech industry.