ABHISHEK RAO

B.S. COMPUTER SCIENCE

Troy, MI

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SKILLS

C++, Java, Python, SQL, MySQL, C#, HTML, CSS, JavaScript, Git, Azure, Docker, Swift, API

EDUCATION

BACHELOR'S DEGREE
Michigan State University
Major: Computer Science
Minor: Business
GPA: 3.7
2021 – 2025

INTERESTS

AI/ML, Software Engineering, Data Science/Analytics

CORE CURRICULUM

Intro to Programming I and II (Python and C++), Data Structures and Algorithms, Software Design, Web Development, Database Systems, Mobile Application Development, Biometrics and Pattern Recognition, Algorithms

INVOLVEMENT

MSU Artificial Intelligence Club

MSU IM Soccer

PROFESSIONAL PROFILE

Computer Science graduate proficient in multiple coding languages and tools, with hands-on experiences in software and data. Passionate about leveraging technology to drive innovation and efficiency.

PROFESSIONAL EXPERIENCE

SOFTWARE DEVELOPMENT ENGINEERING INTERN   JUN 2024– AUG 2024
McDonald's Corporation

- Enhanced Sesame-Compose, a Docker-based application for the POS system, by adding features and automating processes.
- Developed PowerShell scripts for CLI tool installation, file and folder management, and XML configuration.
- Streamlined development and testing workflows, significantly improving efficiency and reducing time spent by engineers.

SQL DEVELOPER INTERN   MAY 2023 – AUG 2023
Blue Cross Blue Shield of Michigan

- Integral member of the Integration and Architecture team, contributed to complex ORCA ticket SQL queries and SSRS reports deployed through Azure DevOps, enhancing data sharing across multiple teams.
- Worked on the migration of a Business Partner Tracking Tool from Microsoft Access to a C# (.NET Framework) application, showcasing proficiency in C#, SQL, database normalization, and form creation.

VALUE BASED PROGRAMS INTERN   MAY 2022 – AUG 2022
Blue Cross Blue Shield of Michigan

- Worked with out of state members who have Blue Cross Blue Shield of Michigan coverage. Ensured that members are receiving quality and cost-effective care from our providers and compensated our providers with a monetary incentive to make sure those members continue to receive quality service.
- Responsibilities included creating reports holding transaction data, retrieving important files, disputing incorrect billings, and reaching out to host state plans to resolve issues, and creating visual graphs to analyze and present data.

PROJECTS

Henry Ford Health eLUG Project
- Worked with Henry Ford Health to modernize their eLUG system.
- Developing an efficient website and app to help pathologists save time during their workflow.
- Contributing to the iOS Development team, utilizing Swift for the front end, and MySQL for the back end. REST API implemented for communication between iOS app and database.

Fun Day! Mobile Application Project
- Developed "Fun Day" using Android Studio and Firebase, providing location-based experiences through GPS and real-time data synchronization.
- Enhanced user engagement with proximity-based activity suggestions and interactive features.
- Ensured data privacy and security with Firebase Realtime Database and Authentication, and managed local user credential storage using SQLite.

Aquarium Application Development Project
- Engineered an interactive Aquarium application in C++.
- Adopted object-oriented principles for efficient entity management and integrated test-driven development for enhanced code reliability.
- Advanced XML handling for state management.