Ayyan Malik

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linkedin.com/in/ayyanmaliklv/ | Portfolio

EDUCATION

University of Nevada Las Vegas   **Expected Graduation Date: Dec. 2024**
Bachelor of Science in Computer Science - GPA 2.7

West Career and Technical Academy   **Aug. 2016 – Jun. 2020**
Program: I.T and Business -

RELEVANT COURSEWORK

Data Structures & Algorithms - Using C++, learned sequential and linked structures as well as Internal structures such as stacks, queues, trees, and graphs

Analysis of Algorithms - Analysis of the time and space complexity of algorithms. Fast algorithms for problems such as set, graph, and matrix manipulations, pattern matching, sorting, and storage organization.

Data Presentation & Analysis - Python-based class where different data analysis techniques and properties were taught as well as ways to present the data

TECHNICAL SKILLS

Languages: C++, Java, C, Python, Assembly, R | Web Development: HTML, JavaScript, jQuery, CSS |Tools: Visual Studio, Xcode, React, MySQL

PROJECTS

Bank Management Console App - github.com/ayyanm/BankMng
- Console-based bank management app written in C++.
- Designed for efficient user data management and transaction tracking utilizing Hash Maps.
- Features include creating a user account, viewing a user account, locking/unlocking account access, and adding/viewing transactions.

Webpage - Website for Photography Business - tlvrep.com
- Created a webpage for a business using HTML, CSS, and JavaScript, added animations and interactive tools such as galleries, before and after sliders, etc.

Arduino Vehicle - github.com/ayyanm/ArduinoCar
- Built and wired Arduino vehicle. Programmed it in C++ to avoid hitting obstacles using sensors and to respond to an IR Remote.
- Project completed intended tasks with a 100% success rate by not hitting obstacles and following remote instructions.

WORK EXPERIENCE

RISK FINANCIAL DATA ANALYST INTERN | Credit One Bank | Las Vegas   **June 2023 - Present**
- Developed and deployed 4 Python-based dashboards to automate data visualization tasks, reducing report generation time by 60%, enabling analysts to deliver insights in minutes instead of hours.
- Collaborated with cross-functional teams to customize multiple dashboards, ensuring tailored insights for finance, analytics, and acquisitions teams, which contributed to a 40% improvement in .
- Used SQL and SAS to extract, transform, and analyze datasets containing over 18 million records, ensuring accurate and timely data flow into the automated reporting tools.

SOFTWARE ENGINEER INTERN | SightX | New York   **Oct. 2023-Apr. 2024**
- Developed and optimized over 20 automated tests using TypeScript for multiple new features, ensuring comprehensive testing coverage during product development.
- Identified, reported, and resolved 14 frontend and backend bugs by communicating with dev teams, enhancing product stability and user experience.

IT HELP DESK, TECHNICIAN II | UNLV Office of Information Technology | Las Vegas   **Jun. 2022 - Aug. 2024**
- Providing technical support to a university of over 30,000 students and over 4,000 faculty members via phone, email, chat, or in-person.
- Troubleshooting and resolving hardware and software for up to 50 customers daily by phone and an additional 40-100 online tickets daily.