

SAIRAM

SOUNDARARAJAN

ABOUT

Enthusiastic Computer Science graduate with a strong foundation in software development, eager to contribute to team success through dedication, collaboration, and organizational skills. Proficient in Java, Python, and SQL, with experience in developing web applications and managing databases. Motivated to learn, grow, and excel in the IT industry, bringing a passion for continuous improvement and a proven ability to solve complex problems through innovative solutions

EDUCATION

Educational Enrichment – Front End Web Development,
May 2024

Albany CanCode, Albany, NY

Bachelor of Science in Computer Science, May 2023
University of Maryland, Global Campus, MD, GPA: 3.94

Associate of Arts in Computer Science, May 2020

ACHIEVEMENTS

- **Developed a Transportation Efficiency Algorithm:**
Collaborated with a team to create a transportation efficiency algorithm that outperformed the Nearest Neighbor Algorithm (NNA).
 - Utilized concepts of time complexity, maps, and array lists to rigorously test and refine the algorithm.
 - Achieved superior performance and efficiency compared to the NNA, demonstrating significant improvements in computational effectiveness.
- **Web Development:** Developed a website using HTML, CSS, and JavaScript to post original musical compositions, showcasing technical skills in front-end development and creative content integration.
- **Capstone Project:** Collaborated with a team to develop a Python-based website program, successfully embedding a Unity game into the webpage using the Flask framework, demonstrating proficiency in full-stack development and cross-functional teamwork.

SKILLS

Programming

Java ★ ★ ★
Python ★ ★ ★
C++ ★ ★ ☆
HTML ★ ★ ★
CSS ★ ★ ★
JavaScript ★ ★ ☆
Cygwin ★ ★ ☆

Other

Visual Studio ★ ★ ★
Git ★ ★ ★
Object Oriented ★ ★ ★
Program
Benchmarking ★ ★ ★
Technical Writing ★ ★ ☆
SQL ★ ★ ★
ER Diagrams ★ ★ ★
Advanced Math ★ ★ ☆
Microsoft ★ ★ ★
Applications
Written ★ ★ ★
Communication

PROFESSIONAL EXPERIENCE

Data Analyst Intern, July 2023 – August 2023

First Choice Financial Federal Credit Union, Gloversville, NY

- **SQL and Data Reporting Systems:** Learned and applied SQL for managing and analyzing company data.
 - Developed business solutions by integrating data reporting systems.
 - Created detailed reports to support decision-making processes.
- **Clustering Algorithms:** Applied clustering algorithms, including Cluster Analysis and K-means clustering, to segment customer data.
 - Developed narrative documentation for each cluster based on analytical results.
 - Utilized cluster insights for targeted marketing efforts, enhancing customer engagement and acquisition strategies.

IT Service Specialist Intern, June 2022 – May 2023

Perkins Eastman, Washington, DC

- **Developed Cybersecurity Python Application:** Utilized Microsoft Graph API and AzureAD to create a Python program that receives employee email addresses and checks for indicators of compromise, enhancing the organization's cybersecurity posture.
- **Performed Laptop Re-imaging and Network Configuration:** Re-imaged laptops through BIOS setup and configured NIC (IPv4) settings, ensuring optimal performance and security for end users.
- **Conducted Functional Testing of Docking Stations:** Performed rigorous testing on docking stations to verify functionality and compatibility, ensuring seamless integration with various laptop models.
- **Resolved External Display Issues:** Diagnosed and troubleshooted display settings for laptops to extend to external monitors, significantly improving user productivity and satisfaction.
- **Troubleshoot Audio Settings for Headsets:** Diagnosed and fixed audio input and output issues for clients' headsets, enhancing communication quality and user satisfaction.
- **Installed and Configured Printers:** Set up and installed printers on clients' laptops and workstations, ensuring proper configuration and seamless operation.

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