Shivam Mahajan | mahajans@beloit.edu | +1 (608)-207-5114 | Shivam Mahajan | LinkedIn

Education:
Bachelor of Science, Major in Computer Science and Mathematics; Beloit College' 2025; Recipient of Dean's list - Fall 2021 & Spring 2023; 3.4 GPA

Relevant Coursework: Object Oriented Programming, Data Structures & Algorithms, Computer Architecture, Software Engineering Capstone, Database Capstone, Threads & operating systems, Computer Networks, Analytics with SQL, Discrete Mathematics, Vector Calculus, Linear Algebra

Experience:

Software Developer Asst.| Beloit College, Beloit, WI   08/2022 - 05/2023
- Collaborated for a SaaS application built for major college works leveraging Python and debugged the application using Java.
- Conceptualized strategy to boost loading time of application and reduced loading time by 25% and enhanced code efficiency by 30%.
- Implemented relevant python and java libraries to revamp functionality and user experience of application by conducting surveys.

Technical Services Asst.| Beloit College Library, Beloit, WI   12/2022 - 05/2023
- Managed library's database to assure proper classification of materials, improving work efficiency by 40%. Controlled data entry procedures.
- Reviewed inventory using technique of Dewey Classification system. Conducted regular shelf organization to ensure an efficient inventory control process.
- Delivered accurate and precise reports for updates on database and inventory to supervisor.

Projects

Sona Drawing project   01/2023-05/2023
- Developed a user friendly application based on African sona artwork utilizing Java and JavaFX. Includes multiple modes for automated drawing as per user instructions.
- Led team of 4 for front and back end testing of software; Assessed reported bugs, optimizing functionality by 55%.
- Applied Java, JavaFX and relevant libraries to create Graphical user interface (GUI) and drawing modes such as walls, dots and automated lines system.

Tic-Tac-Toe Game   09/2022-11/2022
- Built a two player Tic-Tac-Toe game implementing Java and relevant libraries .
- Developed a functional and interactive game; accurately determines result.
- Utilized Java and associated libraries to display a 3x3 interface. Engineered logic to accurately determine winners, losers or ties.

Office database management   09/2023-12/2023
- Initiated implementation of Customer Relationship Management program, starting with modification and update of existing potential and current customer database.
- Implemented effective data management skills to organize, update and organize datasets efficiently. Analyzed datasets by formulating the Entity-Relationship Diagram.
- Improved performance and efficiency of operation using stored procedures.

Co-Curricular Experience
- President, Cricket club   11/2023-Present
- College ambassador, Chess.com   08/2022-08/2023
- Member, Computer Science and Math club   08/2021-Present

Skills
- Programming Languages - Python, Java, JavaFX, C, C++, SQL, MATLAB.
- Development tools - GitHub, Eclipse, Jupyter, MySql workbench, Apache netbeans, MySQL.
- Libraries - JUnit Testing, Swing, AWT, Java standard library and event handling.
- Skilled in teamwork, delivering work on time and problem solving.
- Cloud: SQLite, Azure, AWS
- Collaboration - Effective communication and collaborative work.