





Salma Ibrahim

 sibrahi7@gmail.com  +1(786) 852 5487  900 Oakwood St, Ypsilanti, MI 48197, USA  linked in

Education

Computer Science, *Eastern Michigan University* 08/2023 – present
Ypsilanti, United States

PROFESSIONAL EXPERIENCE

Teacher Assistant, *Engineering Society of Detroit – GEA, Summer 2025* 07/2025 – 08/2025
MI

- Supported STEM instruction, helped students solve course-related problems, and assisted with hands-on activities in an inclusive environment.

Summer Camp Instructor, *engage emu* 05/2025 – 05/2025
Ypsilanti, United States

- Provided effective, hands-on biology instruction tailored to upper elementary students
- Designed and implemented interactive experiments to reinforce scientific concepts
- Promoted active student engagement and collaborative learning environments
- Differentiated instructional approaches to meet varied learning styles and needs
- Ensured a well-managed, inclusive, and conducive learning atmosphere
- Motivated students to develop sustained interest and confidence in science disciplines

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CSP-Peer Mentoring Coach, *College Supports Program* 08/2024 – 02/2025
Ypsilanti, United States

- Helped students manage assignments and classes
- Guided students in using campus resources
- Kept track of student progress and activities

Housing Ambassador, *FIU Housing Facilities* 05/2024 – 08/2024

- Served as first point of contact for students, families, and visitors; delivered high-quality customer service in a fast-paced environment.
- Supported housing operations with administrative tasks, data entry, and resident communications using university systems.
- Handled phone inquiries, managed housing documents, and assisted in executing special projects to enhance the student living experience.

Staff Writer, *PantherNOW Newspaper* 08/2023 – 12/2023
covered three impactful news events as a Student Staff Reporter for PantherNOW newspaper.

COURSES

Microsoft Office Specialist - MOS, *NVIT* 07/2023
Chittagong, Bangladesh

ORGANIZATIONS

Student Government Association, *Senate* 08/2024 – 04/2026

Served as a Student Government Senator representing student voices in campus policymaking. Drafted and voted on legislation to improve student life and allocate organizational funding. Collaborated with university committees to address academic and campus-wide concerns. Advocated for inclusive, student-centered initiatives through outreach and policy reform.

BSA-Bangladesh Student Association, *Vice President* 08/2024 – 04/2025
Ypsilanti, United States

- Assume President’s duties when absent
- Assist in strategic planning and goal setting
- Mentor members and officers
- Monitor project progress and report to leadership
- Represent the organization as needed

Projects

Doodle Bug Project, *Academic Project*

- Developed** a grid-based simulation modeling predator-prey dynamics between Doodlebug and Ant classes using principles of inheritance, polymorphism, and encapsulation.
- Utilized** 2D arrays, randomized algorithms, and step-wise logic to simulate autonomous agent behavior, including movement, breeding, and starvation.
- Implemented** a modular, object-oriented codebase in Java, enhancing proficiency in algorithm design, debugging, and system-level thinking.

Research, *Literature survey for disability students in computer science*

Conducting a comprehensive literature review on challenges and support systems for students with disabilities in computer science. Analyzing academic papers, reports, and case studies to identify accessibility barriers and effective inclusion strategies. Investigating technological and pedagogical solutions to improve learning experiences for students with disabilities.

Summarizing key findings to contribute to ongoing discussions on accessibility in computer science education.

Portfolio, *Personal project*

Built a responsive personal website to showcase web projects, UI/UX design, and coding skills using HTML, CSS, and JavaScript.