

Hepsiba Reddy Madireddy

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EDUCATION

Bachelor of Science, Computer Science

Expected Graduation: May 2027

Minor, Information Science & Technology, University of Wisconsin-Milwaukee

GPA: 3.87

Dean's List: Fall 2023, Spring 2024, Fall 2024, Spring 2025, Fall 2025

Acknowledgment of Student Excellence, University of Wisconsin-Milwaukee, May 2024

- **Coursework:** Java, Object-Oriented Programming, Data Structures and Algorithms, Algorithm Design & Analysis, Discrete Math, System Programming, Web Design, Computer Security, Machine Learning, Computer Architecture.

SKILLS

- **Programming Languages:** Java, C, Python, HTML, CSS.
- **Tools:** Git, GitHub, WordPress, Docker, Ivanti Neurons (Ticketing Tool), IDManage (IAM tool), Qualtrics, Agile/Scrum.
- **Robotics & Simulation:** MATLAB, Simulink, Simscape Multibody, UDP Communication, Microcontrollers.
- **IT & Security:** Identity & Access Management (IAM), MFA Setup & Recovery, Account Recovery, Identity Verification.

EXPERIENCE

Web Developer Intern, World Affairs Seminar (Nonprof – IT program – INFOST 408)

Jan 2026 – Present

- Collaborate with developers, designers, and stakeholders in an Agile Scrum team of 5 through UWM's Nonprof-IT program to design and enhance a nonprofit website serving 30,000+ students using WordPress.
- Contribute to research, sprint planning, and backlog refinement while improving website usability, adding features, and documenting architecture for scalability.

Undergraduate Research Assistant, University of Wisconsin-Milwaukee – MBSE Research Lab

Jan 2026 – Present

- Develop a robotic arm digital twin with a PhD researcher using Python, Simulink, and Simscape Multibody.
- Implement real-time data transfer from hardware to simulation using UDP, improving synchronization and system performance.
- Diagnose and fix motion and connectivity issues to enhance simulation accuracy and stability.

Teaching Assistant, Girls Who Code

Aug 2025 – Present

- Teach high school students Python programming and basic cybersecurity through hands-on lessons and coding activities.
- Help students debug code, answer questions, and improve problem-solving skills.
- Track student progress and collaborate with the instructor to adjust lessons for better understanding.

Help Desk Supervisor & Research Technician, University of Wisconsin-Milwaukee - IT Help Desk

Feb 2025 – Present

- Provide advanced technical support for students and staff, resolving login issues, software setup, and account access problems.
- Handle Level 2 cases including MFA resets, compromised account recovery, identity verification, and security issues such as lockouts and phishing.
- Mentor junior consultants and manage escalated tickets while creating documentation to improve support processes.

PROJECT EXPERIENCE

Campus Event Manager (Python, Django, HTML, CSS), Intro to Software Engineering

Aug 2025 – Dec 2025

- Developed a Django-based web application in a team of 4 with features such as authentication, event creation, and browsing.
- Implemented backend functionality using Django models, views, and URLs, enabling CRUD operations for events and users.
- Built dynamic interfaces and organized the codebase into modular components for scalability.

INVOLVEMENT

- Attendee, Grace Hopper Celebration (GHC) 2025 - participated in technical sessions, networking, and career development workshops.