Meley Abay

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EDUCATION

University of California, Merced   Merced, CA
Bachelor of Science in Computer Science and Engineering, GPA: 3.56   Expected May 2026
Awards/Honors: Dean's Honors List, Chancellor's Honors List, Academic Excellence Award
Relevant Coursework: Advanced Programming (in progress), Vector Calculus, Discrete Math, Differential Equations

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, HTML, C++, Arduino **Software:** CSS, Git, OpenGL, Arduino

PROJECTS

Pac-man Game Development (Java, C++, html)
- Developed a Pac-Man game from scratch utilizing Java, C++, and html.
- Implemented game mechanics like timers, collusion detection and scoring systems.

Personal Website (Java, JavaScript, Android)
- Built an "about-me" website from scratch using JavaScript, CSS, and HTML, and incorporated interactive elements, animated transitions, and personalized sections to create a user-friendly website.

Calculator Application (Java, C++)
- Built a calculator application using JavaScript, and C++ that performs essential math operations like addition, subtraction, multiplication, division, and remainder calculations.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow   Washington, DC
Career Preparation Fellow   Jan 2024 – Present
- Accepted into a selective 18-month professional development program for high-achieving diverse talent.
- Complete business case studies and assignments to grow leadership and technical skills.
- Attend conferences hosted by industry leaders, such as Deloitte, LinkedIn, and Target

National Society of Black Engineers (NSBE)   Merced, CA
President   Apr 2024 – Present
- Provided strategic vision and leadership to the chapter, presiding over executive board and general meetings.
- Represented the chapter at events, facilitated professional development programs, and managed chapter orientations.
- Collaborated with university, community and corporate partners to enhance NSBE's impact, oversaw finances, and ensured adherence to policies.

Phi Alpha Chapter of Delta Sigma Theta Sorority, Inc.   Merced, Ca
Treasurer, Fundraising Chair, Regional social media, and marketing team member   Nov 2032 – Present
- Managed financial accounts, budget and fundraising activated for community programs through event coordination, sponsorships, and volunteer leadership.
- Developed Strategies, created content, analyzed metrics, and promoted the sorority's programs across digital platforms to reach more community members.

Stanford University   San Francisco, CA Introduction to Logic- Summer Camp, Scholarship Recipient July 2021
- Used the language of logic to state observations, define concepts and form theories.
- Worked with students to reach conclusions and solve problems using formal logic, deductive reasoning, and analytical thought processes.
- Participated in specialized workshops that sharpened critical thinking and problem-solving.

Robotics Convention Club   Addis Ababa, Ethiopia Team Leader   Sep 2019 – Dec 2020
- Built a robotic arm with various sensors and algorithms to enable it to complete tasks and avoid obstacles.
- Organized conventions to showcase members' skills, providing a platform for sharing knowledge & fostering innovation.
- Gained experience in Arduino, Programming, machine learning and robotics.

ADDITIONAL SKILLS AND INTERESTS

Interested in Artificial intelligence, Cyber Security, Machine Learning, Full stack Development, Software Development