

Nia Maheshwari

Knoxville, TN 37934 | nmaheshw@vols.utk.edu | (865) 232-7482
[linkedin.com/in/nia-maheshwari](https://www.linkedin.com/in/nia-maheshwari) | github.com/pebblefoot31

EDUCATION

University of Tennessee Knoxville | Tickle College of Engineering
Bachelor of Science in Computer Science (in progress)
Chancellor's & Engineering Honors Program
Dean's List Scholar 2023-2024

Aug. 2023 - Present
Expected Graduation:
May 2027
GPA: 4.0

EXPERIENCE

Lawrence Berkeley National Laboratory | *Science Undergraduate Laboratory Internship*

- Collaborated with LBNL scientists within the Applied Mathematics and Computational Research (AMCR) division
- Improving the performance of FerroX: C++ simulation code that models multi-material stacks with ferroelectric material

University of Tennessee Vol Study Center | *Peer Learning Assistant*

Leadership

- Farragut High School (FHS) Science Club | *President* (2022-2023)
 - Leading weekly meetings and delivering announcements for competitions/club events
 - Regularly communicating with fellow officers to decide competing teams
 - Conducting monthly check-ins for competition preparation & weekly Science Bowl practices
- Knox County Schools' Gear Up 4 STEM | *Student Learning Mentor* (2022-23)
 - Guiding elementary-aged students through daily STEM-centered lessons
 - Helping the camp teachers carry out engaging, educational experiments with the students
 - Organizing supplies for daily activities and monitoring children during field trips
- Farragut Stormwater Advisory Committee | *Youth Representative* (2021-2022)
- Spring into STEM at FHS | *Co-organizer* (2023)
 - Designing engaging and educational science experiments, recruiting/organizing volunteers
 - Arranging for lunch, booking school building, and student check-in/check-out procedures

Course highlights

University of Tennessee, Knoxville

- DATA STRUCTURES AND ALGORITHMS I, II Fall 2023
Course focused on abstract data structures, i.e. linked lists, hash tables, and binary trees; as well as sorting and recursive algorithms
- COMPUTER ORGANIZATION Fall 2023
Course that discusses the inner workings of a computer, including the functionalities of the many layers that separate machine language and the programming interface

ORGANIZATIONS

Society of Women Engineers | Chair & Mentor

SWEeties Mentor

- Mentoring an underclassmen mentee in important career skills
- Providing guidance and support through initial year of college

Today's Engineers Tomorrow Experiments Chair

- Designing creative, engaging engineering experiments for middle and high-school aged students

UTK Hack4Impact | Software Developer

- Collaborating within a team to develop an Applicant Tracking System for the organization

TECHNICAL SKILLS

Languages: C++, Python, HTML / CSS / React

Developer Tools: Vim, VS Code, GitHub, Bash, Linux

Typing: 90 WPM, 95% Accuracy

HONORS & AWARDS

- Volunteer and HOPE Scholarship (2023-present)
- UT-Battelle Scholarship (2023-present)
- John Tummins Memorial Non-Endowed Scholarship (2023-present)
- Full Scholarship to Governor's School for Emerging Technologies (June 2021)
- 1st Place TN Regional Science Olympiad (2023)
- 1st Place Pellissippi State Community College Coding Competition (2021)
- 1st Place TN Regional Science Bowl (2021)
- Farragut High School Outstanding Student in Science (May 2023)