ASHWIN KUMAR

ashwinak@umich.edu • (614)-806-7374 • 6631 Estate View Dr. S

EDUCATION

University of Michigan — **Ann Arbor, MI**
Bachelor of Science Engineering in Computer Science — *May 2025*
GPA: 4.00/4.00
Current Courses: Data Structures and Algorithms (EECS 281), Foundations of Computer Science (EECS 376)
Previous Courses: Programming and Intro Data Structures (EECS 280), Discrete Math (EECS 203)

Gahanna Lincoln High School — **Gahanna, OH**
High School Honors Diploma — *May 2021*

WORK EXPERIENCE

UM CSE Department — **Ann Arbor, MI**
Instructional Aide, EECS 203: Discrete Math — *January 2022 – Present*
- Delegated responsibilities to 5-6 homework team members to meet course learning objectives
- Tutored students in 1:1 and group settings weekly to ensure equitable presentation of course material

UM School of Information — **Ann Arbor, MI**
Undergraduate Research Assistant — *October 2021 – Present*
- Implementing React feature for existing lung cancer screening decision aid website to improve accessibility for 8,000 weekly visitors from disadvantaged Black and Latinx communities
- Organized user studies and created personas to optimize feature design

Camp Invention — **Gahanna, OH**
Leadership Intern — *June 2021 – July 2021*
- Coordinated daily routines of up to 30 campers to ensure safety and learning goals were achieved
- Established and achieved developmental goals for each individual camper to foster growth
- Mentored 7-8 younger counselors weekly to effectively connect with and educate campers

PROJECT EXPERIENCE

Gahanna Lincoln High School — **Gahanna, OH**
Web Scraping — *January 2020 – March 2020*
- Implemented a pipeline to migrate 2,000 practice problems from legacy server, eliminating 30-40 hours of manual work and saving ~$300/year in legacy upkeep fees
- Developed a search tool for new students to easily find teachers via keywords in classroom portals

LEADERSHIP EXPERIENCE

Gahanna Lincoln High School — **Gahanna, OH**
Music Director — *January 2021 – May 2021*
- Designed schedule for vocal rehearsals during pandemic to prepare spring musical
- Established remote method of teaching to ensure restrictions would not shut down musical
- Taught all choral parts of each song to ensemble

SKILLS

Languages: Python, C++, Javascript, Java, MATLAB   *Technologies:* React, Node, Tensorflow
Data Handling: Web scraping, ML