PRISHA AGNIHOTRI

1770 Broadway St., Apt. #317-A, Ann Arbor, MI 48105

📞 248-918-3154 ✉ prishaag@umich.edu in linkedin.com/in/prisha-agnihotri

Education

University of Michigan — **December 2025**
B.S.E Computer Science — *Ann Arbor, MI*
- GPA: 3.66/4 | Fall 2022/Winter 2023 Dean's List, Fall 2022/Winter 2023 University Honors
- Relevant Coursework as of Fall 2023: Data Structures & Algorithms, Data Oriented Programming, Web Design/Development/Accessibility, Data Science, Multivariable Calculus, Discrete Math, Linear Algebra
- Activities/Societies: SWE, MDST, GEECS, Society of Asian Scientists/Engineers, Girls Who Code

Experience

University of Michigan School of Information Research Lab — **September 2023 - Present**
Undergraduate Student Research Assistant — *Ann Arbor, MI*
- Developing Python software leveraging GPT-4 and Twitter APIs to analyze twitter user behavior, effectively identify deceptive content, and implement robust strategies to combat digital misinformation
- Leading web scraping initiative to extract and analyze relevant user data from Twitter, facilitating comprehensive assessment of user interaction with misinformation articles

University of Michigan Robotics — **September 2023 – Present**
Instructional Assistant — *Ann Arbor, MI*
- Led and supported class of 20 students in "ENGR 100: Robotics Mechanisms" labs, providing guidance on breadboard assembly, sensor integration, and troubleshooting of Arduino components
- Conducted one-on-one office hours sessions, tailoring assistance to individual students' needs, resulting in 20% improvement in overall student comprehension

DENSO — **May 2023 – August 2023**
Software Engineering Intern — *Southfield, MI*
- Developed VB.Net RPA software system utilizing UiPath to automate and test engineering change instruction data collection, achieving 80% reduction in average data collection time and annual cost savings of $5,000
- Implemented C# natural language processing algorithms to improve categorization of engineering change instructions, achieving 10% increased categorization accuracy
- Utilized business intelligence tools to conduct data analysis of engineering change instruction data, identifying inefficiencies and optimizing unstandardized processes, resulting in 15% reduction in production cycle time

Projects

Ping Pong | *Python* — **April 2023**
- Developed immersive multiplayer Ping Pong game utilizing Pygame framework, optimizing game mechanics and controls to ensure seamless responsiveness and precise paddle movements
- Implemented score tracking system to accurately record and display points for each player during game play

Drive Routing | *C++* — **February 2023**
- Developed C++ software application for driver routing program, integrating file input/output, data validation, and nearest neighbor algorithm to optimize route planning and streamline operations
- Conducted data visualization of driver range locations, establishing data cleaning functionality for reliable planning

Submarine | *C* — **January 2023**
- Directed 5 member team in developing autonomous underwater vehicle prototype equipped with temperature/pressure sensors to collect water data and track pollution levels
- Implemented C oversampling techniques to improve sensor accuracy by 15%

Leadership

Society of Women Engineers — **January 2023 – April 2023**
Public Relations Intern
- Designed monthly chapter bonding events, overseeing activity/supply selection, logistics coordination, vendor relationship management as well as introductory Python workshops for 15 middle school students

Technical Skills

Languages: C/C++(Proficient), Python(Proficient), MATLAB(Proficient), VB.Net(Proficient), C#(Basic)
Tools/Frameworks: Microsoft Office, Github, UIPath Studio, Pygame, NX