

Harshita Mahaseth

614-421-8595 • hmahaseth71@gmail.com • www.linkedin.com/in/harshita-mahaseth

EDUCATION

University of Rochester

*Bachelor of Science in Chemical Engineering
Minor in Environmental Science*

Rochester, NY

May, 2021

- GPA: 3.42 out of 4.00

RELEVANT COURSES

Green Energy

Linear Algebra

Chemical Process Analysis

Fluids Dynamics

Numerical Methods and Statistics

Physics - Mechanics

Multidimensional Calculus

Thermodynamics

Heat and Mass Transfer

EXPERIENCE

University of Rochester - White Laboratory

Rochester, NY

Research Assistant

May 2019 - Present

- Conducted computer simulations using molecular dynamics in Python
- Created a High Throughput Workflow for Coarse-grained Simulations
- Paired experimental data with molecular dynamics simulations to improve accuracy

University of Rochester - Chemical Engineering Department

Rochester, NY

Lead Teaching Assistant

May 2019 - Present

- Instructed students on the subject of Chemical Process and Analysis, and Pre-College Program, Numerical methods and statistics
- Lead recitation for 50+ students, graded their homework and exams
- Provided guidance and feedback on homework and course materials

MCL Restaurant and Bakery

Columbus, OH

Line Server

May 2015 - January 2019

- Worked with team members to deliver exceptional, friendly and fast service
- Accurately served customer's order
- Consistently kept working area neat and clean to ensure optimal customer experience

SELECTED PROJECTS AND LAB

Solar Panel: In a group of four, created a soil moisture sensor powered by a solar panel. Used a breadboard to circuit a solar panel to a moisture sensor

Organic Chemistry Lab: Used lab techniques, including NMR/IR/UV-VIS spectroscopy, gas and thin-layer chromatography, and crystallization

Java Projects: Created a game of Othello, a game of rock, paper, and scissor against the computer

Pumpkin Launch: In a group of seven, created a trebuchet pumpkin launcher for a competition. Calculated the best angle to release to pumpkin in order to create the most accurate pumpkin launcher. Won the competition twice in a row

ACTIVITIES

University of Rochester, Toy Adaptation Program

Rochester, NY

Evaluated and adapted toys for children with disabilities to play with them

January 2018 - Present

Event Coordinator

- Inspected toys to figure out how to make them usable for children with disabilities
- Organized an event every semester for the families of children with disabilities to come together and learn how to adapt toys

University of Rochester, Photography Club

Rochester, NY

- Proposed cite visits, investigated lighting condition
- Provided aesthetic critiques for members

February 2018 - Present

SKILLS

- Proficient in Microsoft Word, Powerpoint, Excel, Java and Python
- Fluent in English, Hindi, Nepali and Maithili
- Experience in Design with Adobe products, Procreate, and Vector graphics software