# Sanjiv Parthasarathy

Last Updated on 6th July 2022

585 967 2703 @ psanjiv@umich.edu

## Education

### UNIVERSITY OF MICHIGAN

Bachelor of Science Engineering- Computer Science

Class of 2025 Ann Arbor, MI

- GPA: 3.50/4.00
- Relevant coursework: Intro to Computers and Programming, Calculus 2, Physics 1

### PARKLAND HIGH SCHOOL

Class of 2021 Allentown, PA

- GPA: 3.76/4.00
- SAT: 1570
- AP Scholar with Distinction, Honors/Awards: National Merit Commended Scholar

## Links

GitHub **Sanjivp27**

Linkedin **Sanjiv Parthasarathy**

## Coursework

Intro to Computers and Programming
Introduction to Engineering: Design in the Real World
Calculus 2
Physics 1
General Chemistry
Principles of Economics 1

## Parkland High School Leadership

Oct 2019 - June 2021
Vice President of STEM Club
Oct 2019 - June 2021
Vice President of Physics Club
Sep 2020 - June 2021
Secretary of Math Honors Society

## Skills

### PROGRAMMING

- Python
- C++
- CSS

### MISCELLANEOUS

- Machine Learning
- Web Development
- ROS
- Git

## Student Organizations

### MICHIGAN NEUROPROSTHETIC CLUB

University of Michigan College of Engineering

Jan 2022 – Apr 2022 Ann Arbor, MI

- Software team member – applying programming to create affordable muscle-controlled prosthetics.
- Working alongside families to receive feedback on prosthetics.

### STARTUM ENTREPRENEURSHIP CLUB

University of Michigan

Oct 2021 - Present Ann Arbor, MI

- Co-founded Sisu Bracelets, a jewelry brand that seeks to educate others on underrepresented cultures.
- Designed ecommerce website using Shopify.
- Competed in pitch competitions to receive funding – 1st place in StartUM pitch competition.
  **Sisu Bracelets Website (in progress)**

### SIGMA ETA PI ENTREPRENEURSHIP FRAT

University of Michigan

Jan 2021 - Present Ann Arbor, MI

- Raised funds for multiple charities supporting entrepreneurship.
- Interviewed founders and CEOs of successful companies in Chicago Trek.

## Research Experience

### AI AND ROBOTICS RESEARCH INTERN

Argonne National Laboratory

June 2022 – Present DuPage, IL

- Automated Discovery Project: Creating API for robots used for biology experiments to make them easily controllable via a computer for researchers with no programming background.
- AI for Enhanced Weather Prediction: Developing a Machine Learning algorithm to enhance small datasets of climate data to create more accurate predictions of severe weather, without the need for inefficient large data sets.

### AI AND ENVIRONMENTAL SCIENCE RESEARCH INTERN

Lehigh University Dept. of Chemical Engineering

Jul 2018 – July 2020 Bethlehem, PA

- Conducted research on identifying effective Liquid Organic Hydrogen Carriers for transportation and energy storage via Artificial Intelligence.
- Used Python programming and a Machine Learning Algorithm to screen a large database of molecules for chemical properties.
- Identified 22 potential molecules that could provide cost-effective transportation of hydrogen.

### DEEPCHEM PROJECT

Volunteer Contributor

June 2020 – Nov 2020

- Worked alongside a team of fellow volunteer contributors, led by DeepChem founder, Dr. B. Ramsundar.
- Developed increased accessibility of computational tools for drug discovery.