

# MANISH RAJ OSTI

📍 SAGINAW, 48603, USA 📞 9893725605

## ◦ DETAILS ◦

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## ◦ LINKS ◦

Portfolio: [www.mrosti.com](http://www.mrosti.com)

[Github](#)

[Email](#)

## ◦ SKILLS ◦

Python  
Java  
JavaScript  
Machine Learning/ Deep Learning  
Tensorflow/Keras  
Data Analysis  
Big Data with Spark  
React  
Node.js  
SQL/NO-SQL  
HTML5/CSS/Bootstrap  
VB.Net

## 👤 PROFILE

📍 Michigan-based Computer Science student with a background in Machine Learning and Software Development.

## 🎓 EDUCATION

📍 **Bachelor's in Computer Science, Saginaw Valley State University, Saginaw**

**Minor: Applied Mathematics**

*Anticipated 2023 May*

📍 **Associate's in Science in Computer Science, Oakland Community College, Royal Oak**

*August 2018 — June 2019*

## 💼 EMPLOYMENT HISTORY

📍 **Data Analyst and AI engineer at Hemlock SemiConductor , Hemlock**

*January 2022 — Present*

- Develop custom AI/ML data models and algorithms to apply to data sets
- Use predictive modeling to increase and optimize customer experiences, revenue generation, ad targeting, and other business outcomes.
- Develop processes and tools to monitor and analyze model performance and data accuracy.

📍 **NASA lunar CS Student Researcher at Saginaw Valley State University, Saginaw**

*December 2021 — Present*

- Implementation of object detection using Deep Learning and SLAM on NASA's lunar rover project

📍 **Software Engineer: co-op at Halla Mechatronics, Bay City**

*August 2021 — December 2021*

- Test, maintain and recommend software improvements to ensure strong functionality and optimization

📍 **Student Grant funded Research at Saginaw Valley State University, Saginaw**

*December 2021 — Present*

- Working on research paper with faculty Professor on Text Classification using Deep Learning models

📍 **Student Grant funded Research at Saginaw Valley State University, Saginaw**

*August 2021 — Present*

- Working on research paper with faculty Professor on Wireless Communication using Deep Learning and classical Machine Learning

📍 **Student Lab Assistant at Saginaw Valley State University, Saginaw**

*August 2021 — January 2022*

- Helped computer science students with Java and VB.Net programming languages

📍 **Computer Science Tutor at Oakland Community College, Farmington Hills**

*January 2019 — May 2019*

- Helped and taught computer science students with Java and C++ programming languages.

## ★ ACTIVITIES AND INVOLVEMENTS

### ○ Lead/President : Google Developers Student Club, Saginaw

August 2022 — May 2023

- Grow student knowledge on developer products and platforms through hands-on workshops and events.
- Identify local partners to work with and lead project building activities.

### ○ Image & Video Face Detection

- Detects human faces from images and videos

### ○ Automated Umbrella Remainder

- Reminds and texts the user's phone to get an umbrella if it's going to rain at a set time by the user and gives various info about current weather. Twilio API and OpenWeatherMap API are used.

### ○ Smart Dictionary

- Helps to find the meaning of the word and asks the user if they have misspelled it. Uses SequenceMatcher from difflib.

### ○ Website blocker & Informer

- Blocks the website provided by the user and lets the user set the time to start and end the blocking time period. Twilio API is used to send a text to users. And changes are made to it the user's hosts file.

## ⚙️ AWARDS

### ○ Recipient of Red and White Scholarship, Saginaw valley State University

August 2016 — June 2018