MANISH RAJ OSTI

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DETAILS

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LINKS

Portfolio: www.mrosti.com

Github

Email

SKILLS

Python

Java

JavaScript

Machine Learning/ Deep Learning

Tensorflow/Keras

Big Data with Spark

Scikit

React

Node.js

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: *E*lectrical Engineering

Anticipated 2023 May   *Major GPA: 3.6*

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 image processing using ML techniques on NASA's lunar robot 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 Analysis with Machine Learning

Student Grant funded Research at Saginaw Valley State University, Saginaw
August 2021 — Present

- Working on research paper with faculty Professor on Wireless Communication with Machine Learning

Student Lab Assistant at Saginaw Valley State University, Saginaw
August 2021 — Present

- 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-I and II and C++ programming languages.

★ ACTIVITIES AND RESEARCH

Image & Video Face Detection

- Detects human faces from images and videos. OpenCV and Haarcascade are used.

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 AND INVOLVEMENT

Recipient of Red and White Scholarship, Saginaw valley State University
August 2016 — June 2018