

RAKIBUL HASSAN

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Education

Saginaw Valley State University

B.S. in Computer Science, CGPA – 3.32/4.00

University Center, MI, United States

Anticipated Graduation – Dec 2023

Topics of Interest

Machine Learning, Software Engineering, Web Development, Data Science, Algorithms & Data Structures

Skills

Languages: C/C++, Python, Java, JavaScript, HTML/CSS, PHP, SQL, MongoDB

Frameworks: React, TensorFlow, Pandas, Bootstrap

Developer Tools: Git, GCC/GDB, Bash, Shell Scripting, Docker, Anaconda, MS Visual Studio

Operating Systems: Linux, Windows

Boards: TI Jacinto 7, Raspberry Pi, Arduino Uno/Mega

Experience

Research Engineer Intern

Jun 2022 – Present

Magna International - Corporate R&D

Troy, MI

- Analyzing various Neural Network models for Image Processing and performance optimization.
- Developing software applications with Docker Environments for hardware implementation.

Student Research Assistant – Machine Learning

Apr 2022 – Present

Saginaw Valley State University (mentored by Dr. Aos Mulahuwaish)

Saginaw, MI

- Worked in a team for text analysis using Deep Learning and various optimization techniques.

Desktop Support Analyst

Mar 2021 – Jun 2022

Covenant HealthCare - Information Technology

Saginaw, MI

- Provided tier-II support and resolved tickets with a satisfaction rating of 95%.
- Performed basic system admin and network tasks such as verifying network ports, checking server logs, and other small tasks.

Web Operations Student Intern

Oct 2019 – Dec 2021

Saginaw Valley State University - University Communications

Saginaw, MI

- Assisted in redesigning university internal portal and academic program sites using content management systems and front-end languages.
- Lead projects collaborating with university programs and academic departments.

Computer Science Tutor

Oct 2020 – Apr 2021

Saginaw Valley State University - Center for Academic Achievement

Saginaw, MI

- Assisted students with homework, classroom activities, research, and specific academic criteria for expedited learning.

Projects & Competitions

NASA Robotic Mining Competition – Lunabotics 2022 | Python, ROS, TensorFlow

Oct 2021 – May 2022

- Assisted in object detection using deep learning and collected/labeled image data.

Interactive Portfolio Website | React, StyledComponents, framerMotion

Mar 2022

- Developed dynamic portfolio website using React and other various styling tools.

BitTorrent-like P2P Application | Java, Socket Programming, Multi-threading

Oct 2021 – Dec 2021

- Developed a Peer-to-peer BitTorrent-like application with a team of two with implementing Multi-threading, Socket Programming and Serialization.

Activities & Involvements

Treasurer | SVSU Machine Learning Club

Apr 2022 – Present

- Researched and analyzed future projects to be implemented over the semester.

Member | SVSU Robotics Team

Jun 2019 – Present

- Collaborated with a team of 4 to develop Python modules and functions of robot movement control for the 2019 Trinity Fire Fighting Robot Competition.