

# 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 – May 2024

### Topics of Interest

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

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## Experience

### Software Engineer Co-op

Magna International - Corporate R&D

Jun 2022 – Present

Troy, MI

- Analyzed various Neural Network models for Image Processing and performance optimization.
- Developed software in Docker environment for Hardware-In-Loop test on various AI based SoCs for evaluation.

### Desktop Support Analyst

Covenant HealthCare - Information Technology

Mar 2021 – Jun 2022

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 and other small tasks.

### Web Developer Student Intern

Saginaw Valley State University - University Communications

Oct 2019 – Dec 2021

Saginaw, MI

- Assisted in redesigning internal and external websites using terminalfour and front-end web languages.
- Lead academic program website projects collaborating with academic departments.

### Computer Science Tutor

Saginaw Valley State University - Center for Academic Achievement

Oct 2020 – Apr 2021

Saginaw, MI

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

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## 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.

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## Skills

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

**Database Management System:** SQLite, MySQL, Microsoft-SQL, MongoDB

**Frameworks:** React, TensorFlow, Pandas, Bootstrap

**Developer Tools:** Git, GCC/GDB, Bash, Shell Scripting, Docker, Anaconda, Android Studio, JavaFX

**Operating Systems:** Linux, Windows

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

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## Activities & Involvements

### Treasurer/Workshop Lead | Google Developers Student Club @SVSU

July 2022 – Present

- Implemented program evaluation to assess project impact, analyze data, develop recommendations and compose reports.

### Core Board Member | Machine Learning Club @SVSU

Apr 2022 – Present

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