Premanshu Bhagat

OBJECTIVE

My primary objective is to contribute to advancements in spaceflight, particularly through developing software solutions that enhance spacecraft design, avionics systems, and propulsion technologies for sustainable human exploration of outer space.

SKILLS

BASIC:
C++, Java, HTML, CSS, MySQL, MongoDB, Git, WSL

PROFICIENCY:
C, Python, NumPy, Pandas, Scikitlearn Tensorflow, Matplotlib, RS Logix 500,5000, AutoCAD Electrical/Mechanical, SolidWorks

ADDRESS

Vaughan, Ontario, Canada

EMAIL

Personal:
premtsapj@gmail.com

Institution:
bhagatp@mcmaster.ca

GITHUB

https://github.com/cmd-cosmos

LINKEDIN

www.linkedin.com/in/premanshu-bhagat

EXPERIENCE

SEPTEMBER 2022 – DECEMBER 2022
Laboratory Monitor | Humber College – Electromechanical Labs

SEPTEMBER 2022 – APRIL 2024
Lab Tech | Humber College – Machine Shop

FEBRUARY 2022 - PRESENT
Walmart Supercenter | GM - Associate

Key responsibilities: troubleshooting and repair of broken lab equipment, lab housekeeping enforcement, enforcement of safe practices in electrical and mechanical environments, collaboration with other lab technicians, students and instructors. Customer service, team collaboration and task completion.

EDUCATION

Humber College:

Advanced Diploma - Electromechanical Engineering Technology – Percentage: 88.2

McMaster University:

BTech Software Engineering Technology (Fall 2024 - Present)

COMMUNICATION SKILLS

Collaborating with team members, clients and stakeholders to ensure smooth project flow.

Translating technical concepts into clear, understandable terms for non-technical audiences. Documenting code, processes and systems to ensure clarity and accessibility for future development and troubleshooting.

PROJECTS

Machine Vision and Auto ID Cell – 8-month capstone project for SICK Sensor Intelligence by integration of machine learning based cameras for item recognition and cell control. Reports and document portfolio is uploaded on LinkedIn under the projects section.

Rocket Launch Tracker Software – 2-month project for software architecture course, worked with MongoDB and API endpoints to retrieve and store upcoming launch data for agencies.
https://github.com/cmd-cosmos/Projects/tree/master/AI-ML-Projects/Satellite-Orbit-Classification