Aroosh Moulik

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EDUCATION

University of Michigan—Ann Arbor, MI **Class of 2024**

CS Major and Space Sciences Minor
Current GPA: 3.82
Current Course Load: EECS 280 (Programming and Data Structures), EECS 203 (Discrete Math), EECS 201 (CS Pragmatics)
Skills: C++, JAVA, Bash, Git (version control), Solidworks, ANSYS, testing and debugging
Platforms Used: VS Code, XCode

EXTRACURRICULARS **August 2020- Present**

- MASA – Michigan Aeronautical Sciences Association. Worked with MASA on their structures sub-team on a design for a tank mount. Used SOLIDWORKS and ANSYS to design the component.
- Blockchain at Michigan – Working currently with a team of fellow Winter 2021 Cohort Members to develop a Peer-to-Peer lending system using smart contracts and thus reduce liabilities. Learned solidity and basics of Ethereum token system.

EXPERIENCE

Intern at Ernst & Young (EY) **May 2021 - July 2021**

- Working on different projects (Details TBA)

Electrical and Digital Engineering Co-op at Rolls Royce **August 2021:**

- Will work at Rolls Royce headquarters in Indianapolis as part of their Electrical and digital engineering co-op.
- Will work in different rotations on applications ranging from testing, simulation and software development.

Research at Saha Institute of Nuclear Physics. **March 2019 – August 2019**

- Worked under Professor Satyaki Bhattacharya to perform a miniature recreation of the CMS (Compact Muon Solenoid) experiment results through JAVA programming. Used gaussian distribution to get a uniform set of data.

Project Source Code: https://github.com/amoulik123/PPCollision/blob/main/maincode.java

Intern at Magnum Polymer Industries **March 2018– June 2018**

- Made a detailed study of the main pain area of the factory – power consumption and provided a study for a switch to 10% solar power.
- Worked to supervise the usage of vertical lifting preform machines and prepared a report on the operations and testing of products.

VOLUNTEER

Volunteer teacher for Kishalaya NGO **August 2017- Jan 2019**

- Taught primary & middle school students Math & Science in a non-profit school in rural Bengal (Sundarbans district) and designed lesson plans for the NGO