

# Bhaaniu Jain

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## EDUCATION

**Michigan State University, College of Engineering**, East Lansing, Michigan 08/2021 – 05/2025  
*Bachelor of Sciences, Major: Computer Science; Minor: Business*

**Farmington High School**, Farmington Hills, Michigan 09/2017 – 06/2021  
*High School Diploma with Honors and completed the IB program*  
*Grade: 3.8/4.0 GPA*

## EXPERIENCE

**MSU research Lab**, East Lansing Michigan 01/2022– 04/2023, 09/2023-12/2023  
***Building Muon Detector Tubes for Large Hardon Collider***  
*Research Assistant*

- Detecting and measuring the Muon tubes to be used in proton-proton collisions at the Large Hadron Collider (LHC) at the CERN Laboratory in Geneva, Switzerland
- Assembled **60,000** muon detector tubes, tested them for deficiencies and variations, and coordinated their on-time delivery to Germany and then to their destination, Geneva, Switzerland
- **Automated** the manual measurement process by developing a Python application that helped reduce waste and accurately measure and control the tension in the muon detector tubes
- Saved **66%** time by creating a high-voltage switch box to instantly switch the muon tube's negative polarity to positive
- Collating procedures for future years so the next batch of Muon Tubes can be manufactured without issues

**Ford Direct**, Dearborn, Michigan 06/2023 – 08/2023  
*IT Solutions Intern*

- Created, updated, commented on, and assigned **500+** tickets using the Ford ticketing system JIRA to manage the vehicle launch information
- Collected and stored vehicle launch documents, specifications, and limited-edition details
- Collaborated with multiple teams for the documentation of launch procedures and created and edited multiple Wiki/Confluence pages to update the launch schedules of vehicles
- **Created a Wiki page** to store each team member's contact information and roles
- **Led a team** of 10 Ford Direct interns in a volunteer event for Habitat for Humanity by sorting items in their warehouse

**MSU Data Analytics and Research**, East Lansing, Michigan 07/2022 – 12/2022  
*Research Assistant*

The National Institute of Health (NIH) has funded this research to analyze the trends of COVID-19 vaccine misinformation on social media platforms such as Facebook, Twitter, and Snapchat

- Collected **2500+** social media data points such as posts, pictures, and captions to analyse the number of individual interactions with each data point to generate a standard dataset for NIH research.
- Developed a system of bucketing to store posts/pictures with a unique identifier for further analysis
- Analysed all the metadata to determine what percentage of people used social media posts to spread True and False narratives about COVID-19

## INVOLVEMENT

Member | **Spartan Hackers Club** 08/2021 – Present  
Member | **AI Club, MSU** 08/2021 – Present  
Community Service Director/Treasurer | **Jain Organization of Youth - JOY** 08/2018 – 07/2021

## TECHNICAL SKILLS AND LANGUAGES

Computer-Aided Design (CAD) – Proficient	Java Script/HTML (Mobile Apps) – Intermediate
Microsoft Office – Proficient	C++ – Beginner
Python – Beginner	Google services – Proficient
Wiki/Confluence – Beginner	JIRA Ticket system – Beginner
English - Native	Hindi - Native level fluency
Spanish – Intermediate (Level -4)	