RAHIAN ISLAM

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OBJECTIVE

A collaborative team player, seeking internship opportunities for 8 to 16 months, available to start from September 2021.

INTERPERSONAL SKILLS

- Strong communication and presentation skills
- Excellent Team player as well as independent worker
- Courteous, punctual, and dependable
- Creative and Goal Oriented

TECHNICAL SKILLS

- Object Oriented Programming
- Basic GUI designing and development
- Basic Web development and designing
- Machine Learning via Python libraries
- SOLIDWORKS
- Java Processing
- Power BI
- Python
- Microsoft Word
- Microsoft Excel
- Microsoft PowerPoint
- C++

EDUCATION

4th Year – Bachelor of Science / **September 2018-Present**
Schulich School of Engineering, University of Calgary, AB
- Major: Mechanical Engineering
- Minor: Digital Engineering

EXPERIENCES

PROJECTS

- **Solidworks**

  Tricycle - Designed a complex, modern, and efficient paddling tricycle for young kids along with 3 other group members. The tricycle had to be visually appealing and easy to ride as it was for young kids.
  Laptop Stand - Designed and developed a laptop stand with attached power adapter for power supply and multiple various cable connections such as USB, HDMI, and card readers all connected to the laptop stand via one single cable along with cable management as a project with the goal of easy home office set up.

- **Processing**- Singlehandedly designed and programmed a digital car dashboard with modern features such as fuel efficiency, fuel economy, tire pressure indicator etc. along with other necessary features.

- **Python**

  COVID-19– Using the database programming skills created a web application that turns covid-19 data such as daily new infections, total infections, daily infection curve into meaningful graphs and hosted it on a website.

  GUI – Created a graphical user interface that allows measuring of words and sentences in a text using python.

  Machine Learning – Extracted, cleaned, and visualized various datasets from scikit-learn toy database using several machine leaning algorithms and hosted user interactive websites.

  Note: *COVID-19 and Machine Learning projects also required basic knowledge of CSS and HTML for hosting websites.*

- **MATLAB** – Programmed an algorithm that can calculate the number of wind turbines needed to meet the energy demands of Calgary using the provided turbine specification that included numerous data and graph representations to support the calculated number.

CLUB AFFILIATIONS

- ***Schulich DinoBytes, University of Calgary Robotics Team / January 2020– Present***
- Researched on computer vision with Deep Learning and its implementation on Nao robots to make them play soccer. I have programmed and trained a set of models to detect and identify soccer balls by Image Classification, Object Localization and Object Detection for the Nao robots to be able to follow the ball and take actions according to its position such as passing or shooting.

- ***Relectric Car Team, University of Calgary Engineering Team / September 2019– September 2020***
- Researched and developed efficient braking using quattro piston disk brake system on an electric car. The goal was to incorporate the kinetic energy of the car at high speeds in the braking mechanism.

- ***Bengali Student's Society, University of Calgary Ethnic Club / September 2019– September 2020***
- In charge of planning, organizing, and overviewing the management and administrative operations of BSS to ensure smooth running of the club through constant communication with the VPs of each department.

ENTREPRENEURSHIP

- ***Shudipto Foundation, Co-Founder and General Secretary / September 2016 – December 2019***
- In charge of leading a large group of young minds who voluntarily worked for the non-profit organization. My responsibilities included:
  - ➢ Interviewing and hiring eligible candidates
  - ➢ Setting up board of directors and heads of departments and dividing the workload
  - ➢ Making sure of supportive, efficient, and friendly working environment for the volunteers
  - ➢ Organizing winter clothes distribution drives, free education, and affordable food for the underprivileged kids in our city.
  - ➢ Funding and building approximately 70 shelters at the Rohingya Refugee Camp at Cox's Bazar
  - ➢ Hosting fundraising dinners to fund our charity work

- ***Aphelion Tutoring Center, Founder and CEO / July 2015 – June 2018***
- In charge of operating the tutoring center business, as well as investment decisions, hiring tutors and tutoring myself. My responsibilities included:
  - ➢ Tutoring students from grades 6 to 11 in Mathematics, Physics and Chemistry
  - ➢ Evaluating students' homework and tests and provided them with detailed and constructive feedback
  - ➢ Supervising the teaching methods of other tutors and consistently training them
  - ➢ Holding weekly meetings to keep up with the progress schedule
  - ➢ Investing on a cafeteria and making donations to Shudipto Foundation from the profit earned

WORK

- ***Pioneer Maintenance Limited, Contractor / May 2020 – Present***
- In charge of scheduling various maintenance workers to work at their appointed Sobeys stores at specific times of the day as well as sanitizing some stores by myself due to Covid-19.

- ***Circle K, Customer Service Representative / May 2019 – November 2019***
- In charge of night and day shifts on alternative days. Single handedly handled both the till and restocking at nights, listed down products that are running low while also take in deliveries from various suppliers. My day shifts include providing quality customer service working as a cashier.