

Mehul Tanwar

Computer Scientist

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A passionate, smart, and centered Computer Scientist, who analyzes situations to generate solutions. Driven by a thirst for knowledge, novel experiences, embracing new challenges and learning opportunities with enthusiasm. Highly flexible, adapting to changing requirements and environments with ease. Finds satisfaction from creating “something from nothing”, adding new products and services that are user friendly and high quality.

Education

Bachelor of Science, Major: **Computer Science**, Concentration: **Co-Op (1 year)**

Saint Mary's University - Halifax, Canada

Sept 2015 - Sept 2021

- Software Engineering • Principles of Programming Languages • Data Structures and Algorithms
- Digital Logic and Architecture • Computer Graphics • Data Mining • Augmented & Virtual Reality
- Human Computer Interactions • Artificial Intelligence • Info Vis. Interaction • Mobile App Development

Advanced International TESOL Certification (120 Hours)

Halifax, Canada

Apr 2017

- Specialized in Teaching English as a Second Language to Adults.

Skills

Languages

Technologies

Tools

Java

Python

JavaScript

NextJS

Docker

NodeJs

Shopify

VSCode

MacOS

Git

SQL

HTML / CSS

ReactJS

R

Google Cloud Platform

Adobe Suite

Windows

Linux GNU

WordPress

Webflow

C#

Divi Theme Engine

Zsh (bin/bash)

Figma

- Strong **organizational** and **management** skills developed through organizing, **managing and leading teams** of students for both academics and volunteering.
- **Excellent communication** and **interpersonal skills**, presenting to the public on science-based topics and later on entrepreneurial and technology related topics, translating complex information into understandable terms
- **Flexible** and **adaptable** in a fast paced environment. **Versatile** in **work environment**, and solves problems using any technology stack

Work Experience

Project Manager: Technology

Saint Mary's University Entrepreneurship Center - Halifax, Canada

Jan 2021 - Jul 2021

- Maintained the website under guidance of Tech. Manager till they left. Then managed technology needs for the organization for months while studying full time
- Completed in-house webpages for various competitions using existing tech stack
- Redesigned Website with modern looks and gradients in April using **HTML CSS**, then tried to implement on **Wordpress**

Technology Assistant (Co-op 3)

Sept 2020 - Dec 2020

Saint Mary's University Entrepreneurship Center - Halifax, Canada

- Developed and managed new pages on SMUEC website using **Wordpress** for managing content and **Divi Theme Builder** to construct Front-end. This was the technology already in use at the organization.
- Developed New Business Intake form for potential web projects
- Provided Technical Support and Architecture for Women In Business Conference using **whova** client for conference and **zoom** for conducting.
- Consulted new business owners on e-commerce with construction of a **shopify** website

Web Developer, Technology researcher, support and tester (Co-op 2)

Bloxo Inc. - Halifax, Canada

Jan 2020 - Apr 2020

- **Redesigned website UI** for a modern look
- Architect a web page infrastructure for expanding web content
- Developed all webpages, content using **Webflow (front-end dev platform)**
- Performed Quality Assurance, testing & surveys for the application
- Provided Customer Support for application
- Organized and managed launch event
- Presented application usage and functions on launch event
- Researched new technological applications, competitors, and other web applications to formulate expansion
- Created content for marketing including photography and cinematography

ITSS Help Desk Staff (Now EIT)

Saint Mary's University - Halifax, Canada

Apr 2017 - Jan 2020

- Resolved customer (SMU Faculty, Staff and students), issues and services through being the first point of contact, troubleshooting and transferring requests to different departments in ITSS as required
- Received countless glowing recommendation from SMU personnel showing exceptional service which included going above and beyond job description to meet customer satisfaction
- Used **Microsoft, Adobe suite** and manage through **proprietary ticketing system** and other **in-house tech stack**

Co-Founder CEO, CTO, Content Creator, Developer, Marketer (Co-op 1)

Perfolio - Halifax, Canada

Jan 2019 - Apr 2019

- Co-Founder of a service based business that aims to provide young professionals with digital portfolios that effectively present their experience, education and overall character to their ideal employer
- By using high-quality photography and web design, participants will receive a polished and marketable tool that helps build a hireable personal brand. Websites made using **Wordpress and HTML Stack**
- Personally photograph/create content with high quality images and use them to create websites for applicants
- Validating the need for this service by contacting different recruitment agencies

Technical Co-ordinator

Elwood Pens - Halifax, Canada

Apr 2017 - Sept 2017

- Developed, updated and maintained a **Shopify e-commerce website** with custom theme, color and code.
- **Product photography** and maintenance of digital copies on a daily basis, updating and maintaining new photographs on the website
- Developed sale related skills
- Product inventory and management
- Provide content for marketing materials and help create it

Projects

Enactus Saint Mary's University

Jan 2016 - May 2020

Director Of Technology

May 2018 - May 2019

- **Managed all technology related activities** within Enactus Saint Mary's. including but not limited to **content creation, photography, cinematography and web development.**
- Worked on **developing and leading teams** of volunteers to **offer more technology related volunteering opportunities** like photography, cinematography, web development, content creation and management skills.
- Worked on fundamentally **changing the structure of file management and deployment** within the team in order to be more efficient and precise.
- Represented **Canada** and **Saint Mary's University** at **Enactus World Championship 2018** in California, U.S. and **Runner-up Enactus Canada Nationals** and **Finalists winning 5 awards** during event in May 2019.

Tech Executive

Jan 2016 - May 2020

- Oversaw collection of data and supervised the **presentations, producing photographs and videos** that were used for education and empowering communities with social entrepreneurship
- **Regional Championship Winner** for **Capitol One Financial Education Challenge** in **February 2016** and presented on the same at **National Exposition**
- **Finalist** at **Enactus National Exposition** in **May 2016, May 2017, May 2018, May 2019**
- **Regional Championship Winner** for **Scotia Bank Youth Empowerment Challenge** and **Scotia Bank Eco Living Green Challenge** in **March 2017, March 2018** and presented the same in **May 2017 and May 2018**
- **at National expositions**
Represented Canada and Saint Mary's University on a **global scale** at **Enactus Worlds 2017** on the challenge: **"1 Race 2 end waste "**, held in **London, England** in **September 2017**

Co-Founder - ConnectED Certification Program

May 2018 - May 2019

- Provide **computer literacy and digital media education to youth** who are driven by a thirst for knowledge and self-improvement,

Lead: Developer Student Club (DSC, Google)

Oct 2019 - Mar 2020

Saint Mary's University - Halifax, Canada

- **Initialized, organized and managed** a club of individuals who **solve community problems** through **technological means** using ideation, brainstorming, product development, testing, deployment by learning members
- Club powered by Google Developers, and consists of Study Jams, workshops, Hackathons, and other events.

Board of Executives

Sept 2019 - May 2020

Mathematics and Computer Science Society Saint Mary's University - Halifax, Canada

- Help organise events, promote society, build applications, conduct workshops.
- Responsible for **building society website & organise content**. Help cultivate and inspire programming culture at SMU by working with other societies such as DSC SMU.

Service Canada Data Analytics Hackathon

Nov 2019

M.Sc. in Computing and Data Analytics , Saint Mary's University - Halifax, Canada

- Built an Artificial Intelligence powered data analysis software suite for a data analytics competition in under a week.
- As the team with least members (3) and the only undergraduate team in the competition, managed to **place First position** for the competition held by Service Canada at Saint Mary's University. This project used **deep neural networks, tensorflow, kesar, machine learning** built using **python libraries** and a **jQuery web UI**

SURGE NeuroHackathon

Mar 2019

Dalhousie University - Halifax, Canada

- **Acquired first place** along with monetary remuneration for developing a **Brain Computer Interface** that uses **EEG sensors** to detect brain wave patterns used as input to trigger events on a computer system.
- Created an application to demonstrate technology by creating an alarm system that wakes a person as they are getting sleepy and automatically stops when they are awake
- Application Developed using **Python** and **Jupyter notebooks** with **extra libraries**
- The aim for this hackathon was to get students from different faculties to come together and develop applications that can use modern technology to help people using BCIs.

Assistant Transition Support Co-ordinator

May 2018 – Sept 2018

Saint Mary's University - Halifax, Canada

- Helped Student Services **plan events for Welcome Weeks**.
- Worked with a team of individuals passionate about making positive changes to Welcome Weeks events in order for the events to be more enjoyable both by incoming students and volunteers.
- **Planned Check-in** and **group meeting events during** welcome weeks. These events would be incoming student centric, Packleaders would provide essential information to students in a fun way during these events.
- **Training Packleaders** at the Packleader camp before Welcome Weeks.
- **Ensured events ran smoothly** by using event planning & organizing skills, management skills, problem solving and time management skills.
- These techniques and event plans are being used every Welcome Week since.

Welcome Weeks Pack Leader

2016 - 2019

Saint Mary's University - Halifax, Canada

- Welcomed new students in the SMU culture during Welcome Weeks. Contributed over 90 hours of volunteering services for new students each year.

Interests



Stargazing



Photography



Nature



Walks



Travel



Music

Work



Remote



Relocate



Canada



Halifax