

KIRTI MEHRA

WORK EXPERIENCE

UNIVERSITY OF TORONTO INFORMATION SECURITY, Junior Analyst

May 2023 - September 2023

- Automated the employee onboarding process with PowerApps, PowerAutomate, PowerBI, and SharePoint, reducing onboarding time by **30%**
- Architected and presented comprehensive automation plans to **5** UofT Directors
- Built and migrated **7** pages of the UofT Information Security website using WordPress

SOTI INC, Product Owner Intern

May 2022 - May 2023

- Manager of the MCMR process, efficiently routing issues, resolving bugs, and maintaining communication across teams, improved efficiency of escalation meetings by **50%**
- Trained **7+** colleagues in using JIRA, PowerBI, and MCMR analysis
- Utilized JIRA and AHA! to plan and execute the software development cycle, successfully managing over **5 releases**, including tickets, user stories & features
- Analyzed **100+** technical customer escalations which involved assessing the severity of each issue and coordinating to expedite resolutions & minimize impact
- Modified the production of release notes, improving team documentation by **20%**
- Directed updates in company Swagger and reviewed APIs, primarily using Python, ensuring accurate and up-to-date technical documentation
- Supported **5** Feature Teams, particularly Windows MobiControl

HIGHTECH EQUIPMENT & SOFTWARE, Digital Marketing Analyst

April 2019 - September 2022

- Handled **1000+** client calls, filtered applicants, and conducted interviews, improving client satisfaction and efficiency
- Coded and updated the company website using HTML, CSS, Bootstrap and cPanel, enhancing online presence and functionality
- Established a successful marketing platform (Facebook, Kijiji, Google Ads), increasing engagement by over **50%**

CELESTICA LLB, Mechanical Integration and Quality Testing

July 2020 - September 2020

- Assembled network stabilizers and tested **200+** bio-technical products, contributing to device quality assurance

PROJECTS

BLUESURF | [Video](#), [Github](#), [Website](#)

September 2023 - November 2023

- Collaborated with a 7-member team to develop BlueSurf, a campus events app, from concept to deployment using Figma, Flask, React, Bootstrap & PostgreSQL
- Led BlueSurf's user interface, implemented the frontend and created the database schema

EMOTION WATCHERS CAPSTONE, Artificial Intelligence Pupillometry | [Github](#)

July 2023 - April 2024

- Created an integrated system for pupillometry analysis and facial expression biometrics for emotion detection with Bank of Canada as a key stakeholder
- Conducted experimentation, aided in the development of a pupillometry model, a facial model and a fusion model, which achieved an accuracy of **98%** using Python (Convolutional & LSTM)

BLUESKY SOLAR RACING UNIVERSITY OF TORONTO, Advancement Lead

Sept 2020 - Feb 2023

- Lead of a globally recognized competitive solar vehicle design team where I managed the advancement and in-kind teams, consisting of **10+** members, including technical procurement, planning overview, task delegation & marketing
- Conducted research on required solar vehicle materials and sponsorships alongside maintained interpersonal relationships with **15+** corporate sponsors (TD Bank, Manulife, MAGNA, Bombardier, Solcast)

CONTACT

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EDUCATION

UNIVERSITY OF TORONTO

Sept 2019 - June 2024

Bachelor of Engineering, Computer Engineering (B.A.Sc.)

Minor in Engineering Business – Rotman School of Management

Certification in Artificial Intelligence & Machine Learning

Relevant Coursework: Object Oriented Programming, ML, Finance, Marketing, Databases, IT/Networks

SKILLS

Programming Languages

Python, SQL, Verilog and Assembly, C/C++, HTML, CSS, ReactJS

Exposure to Tools

- Jira
- PowerApps
- PowerAutomate
- PowerBI
- ISORA
- AHA!
- Wireshark
- MATLAB
- NetBeans
- Google Collab
- Git and repositories
- Modelism
- Codelite
- VS Code
- PostgreSQL
- Pandas/Numpy
- Factset
- WordPress
- Shopify
- Social Media
- Microsoft Office
- Flask
- Figma