

Kirti Mehra

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EDUCATION

University of Toronto

(Sept 2019 - July 2024)

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

Minor in Engineering Business – Rotman School of Management

Certification in Artificial Intelligence & Machine Learning

WORK EXPERIENCE

HIGHTECH EQUIPMENT & SOFTWARE, Digital Transformation Manager

(Sept 2024 – Jan 2025)

- Conducted detailed real estate investment analysis and market research, delivering data-driven projections and strategy recommendations that supported a 15% revenue growth in new markets.
- Directed product research and vision planning, driving investment optimization and positioning the business for diversified market expansion by identifying high-potential segments and reducing risk.

UNIVERSITY OF TORONTO INFORMATION SECURITY, Junior Analyst

(May 2023 - Sept 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)

- Managed the scrum process, efficiently routing issues, resolving bugs, and maintaining communication across teams, improving the efficiency of escalation meetings by 50%.
- Trained 12+ colleagues in using JIRA, PowerBI, and escalation 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 (911's) prioritizations.
- 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 Analyst

(April 2019 – Sept 2022)

- Handled 1000+ client calls, filtered applicants, and conducted interviews.
- 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 - Sept 2020)

- Assembled network stabilizers and tested 200+ bio-technical products (quality assurance)

PROJECTS

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).

BLUESURF | [Video](#), [Github](#) (Sept 2023 - Nov 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.

BLUESKY SOLAR RACING UNIVERSITY OF TORONTO | [Website](#) (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 maintaining interpersonal relationships with 15+ corporate sponsors (TD Bank, Manulife, Bombardier, Solcast).

SKILLS

Skillset: Product Management, Design (UI/UX), AI/ML, Automation, Software, Data Analytics

Programming Languages

Python, SQL (MySQL/PostgreSQL), C/C++, HTML, CSS, ReactJS

Data Science and Machine Learning Tools

Pandas, NumPy, CNN, LSTM, Scikit-learn, TensorFlow

Web Development and UI Tools

WordPress, Bootstrap, Figma, Flask, Shopify

Automation Tools

PowerApps, PowerAutomate, SharePoint, PowerBI, Visio, Lucid Chart

Product Management Tools

Jira, AHA!, Agile, Scrum

Version Control and Collaboration

Git, GitHub, Google Collab

Testing and Analysis Tools

Wireshark, MATLAB, Factset, ModelSim

General Software and Platforms

Microsoft Office (Word, Excel, PowerPoint), Social Media (Facebook Ads, Google Ads, Kijiji)

CERTIFICATIONS

Engineering Business (Management)

Artificial Intelligence Engineering

Data Science Professional Certificate - Fractal

Product Management Course