

# Choyon Uddin

(647)-234-2470 | [choyonuddin17@gmail.com](mailto:choyonuddin17@gmail.com) | [LinkedIn](#) | [GitHub](#) | Toronto, ON

## EDUCATION

**Toronto Metropolitan University (Formerly Ryerson University)**

**September 2020 - April 2025**

- **Bachelor of Science in Computer Science, Minor in Psychology**
- Metropolitan Data Science Association (MDSA) Associate, Computer Science Union (CSU) Associate

## WORK & LEADERSHIP EXPERIENCE

**UX/Data Analyst**

**Toronto, Canada**

*HotTakes*

**February 2025 - May 2025**

- Analyzed user behavior with PostgreSQL to uncover trends, leading to strategic changes that boosted engagement and retention by 15%
- Built dashboards using Metabase and Mixpanel, improving data access and speeding decision-making by 30%
- Resolved 95% of user issues within 24 hours using Firebase, Github, and cross-team coordination to improve overall platform satisfaction and user experience
- Performed A/B tests daily to evaluate features on current and new builds of the platform
- Automated support and reporting workflows using Zapier and SQL to cut manual work by 40%

**Quality Assurance Analyst Intern**

**Toronto, Canada**

*theScore*

**September 2022 - May 2023**

- Executed 3,000+ tests across Android, iOS, and Web to validate theScore Bet features and platform functionality, reducing regression testing time by 20%
- Developed automation scripts to streamline test execution, increasing test coverage by 30% and reducing manual QA time by 40%
- Owned TestRail suites and led coordination with fellow QAs and developers for major features (Move The Line, Parlay+), ensuring full test coverage and smooth release cycles
- Logged and tracked bugs using Jira and Confluence, improving resolution turnaround by 15%
- Collaborated across QA, dev, and product teams to launch major features, improving deployment quality and minimizing post-release issues

## SKILLS & CERTIFICATIONS

**Certifications:** [IBM Data Science Professional](#)

**Programming Languages:** Python, Java, SQL, Rust, Javascript, PHP, SQL

**Frameworks/Libraries:** NumPy, Pandas, Pytorch, Tensorflow, SciPy, Matplotlib, Pillow, Seaborn, Nodejs, React, Bootstrap, JQuery, FastAPI

**Developer Tools:** Git/Github, VScode, MongoDB, Hadoop, Oracle, Linux/Unix, GCloud CLI, Google analytics, Testrail, Atlassian Suite, Android/iOS SDK tools, Jupyter, Metabase, Amplitude

## PROJECTS

**Envision: AI-Driven Accessibility Platform** | *Python, OpenAI, PyTorch, Pillow, SciPy, Pandas, LLM, DETR ResNet-50*

- Collaborated with a colleagues to develop a real-time AI-powered tool for visually impaired users, combining object detection and large language models to provide environment descriptions
- Coordinated the implementation of the object detection pipeline using PyTorch and OpenCV, achieving over 90% accuracy in live video recognition providing vivid descriptions for enhanced awareness

**Handwritten Symbol Recognition - Keras Deep Learning** | *Python, Machine Learning, Neural Networks, TensorFlow, Keras, Matplotlib, Numpy*

- Built and trained a deep neural network in Keras to classify handwritten digits from the MNIST dataset
- Model was designed with a sequential architecture comprised of multiple simple and dense layers that utilizes the ReLU and Softmax activation functions across 300+ neurons
- Achieved 100% accuracy across ~20 epochs, validating the model's precision in symbol identification.

**Big Data Predictive Modelling Solution for Marketing Intelligence** | *R, Shiny, Data Science*

- Delivered a multifunctional software solution for a Corporate Marketing Intelligence client, analyzing ~100 gigabytes of user data to identify factors driving product subscriptions and provide actionable insights
- Built predictive visual models using KNN and K-means with Shiny dashboards, boosting targeting accuracy
- Enabled a 30% improvement in client's market positioning through data-driven marketing strategies and advanced analytics