

Choyon Uddin

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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 behaviour 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, Rust, SQL (PostgreSQL), Go, JavaScript, PHP

Frameworks/Libraries: NumPy, Pandas, PyTorch, TensorFlow, scikit-learn, SciPy, Matplotlib, Seaborn, FastAPI, React, Node.js, Bootstrap

Developer Tools: Git/Github, Docker, AWS, Google Cloud Platform, MongoDB, Oracle, Hadoop, Linux/Unix, Google Analytics, Testrail, Atlassian Suite (Jira/Confluence), Jupyter, Metabase, Amplitude

PROJECTS

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

- Collaborated with 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
- The 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 the client's market positioning through data-driven marketing strategies and advanced analytics