Choyon Uddin

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EDUCATION

Toronto Metropolitan University - Computer Science Co-op (BSc)   **Expected 2025**

- Relevant Coursework: Artificial Intelligence, Data Science, Machine learning, Software Engineering & Web System Development

WORK & LEADERSHIP EXPERIENCE

theScore   **Toronto, Canada**
Quality Assurance Analyst Intern   September 2022 – September 2023

- Responsible for conducting cross-platform testing initiatives spanning Android, iOS, and web applications, performing an exhaustive evaluation of Sports Media and Betting apps to ascertain production readiness.
- Validated software functionality by performing ~3000 user acceptance and system integration tests over the span of the internship, cutting time spent on regression and manual testing by 20%.
- Led and collaborated with cross-functional teams in the deployment of critical features on major betting platforms such as Move The Line and Parlay+ to ensure product readiness and integration.
- Spearheaded the implementation of comprehensive automated testing scripts using industry-leading tools, leading to a 40% reduction in testing time and a 30% increase in test coverage.
- Documented software defects in Atlassian Suite (Jira and Confluence) and oversaw prioritization to development teams, resulting in 15% decrease in bug tracking overhead.
- Leveraged various technologies including Testrail, Confluence, Jira, Slack, Microsoft Excel, and Figma to optimize testing efficiency and facilitate team communication.

Instacart   **Toronto, Canada**
Instacart Shopper   May 2021 – September 2022

- Punctual Deliveries: Achieved a 99% on-time delivery rate by efficiently navigating through traffic using GPS technology.
- Efficient Routing: Successfully planned and executed optimal routes for over 500 deliveries, slicing delivery times by 20%.
- Attention to Detail: Prioritized customer satisfaction by verifying orders prior to delivery, minimizing customer complaints.

PROJECTS

Big Data Predictive Modelling for Marketing Intelligence | Tools Used: *Data Science, R, RStudio, Shy & ggplot2*

- Delivered a multifunctional software solution for Corporate Marketing Intelligence client base datasets ~100 terabytes to gain a competitive advantage with a 30% improvement in market positioning through data-driven marketing strategies.
- The Solution leverages extensive data preprocessing, manipulation, and advanced algorithms including K-Nearest Neighbors (KNN) and K-means Clustering to prepare predictive visual models.

GymBro | Tools Used: *Python, SQL, Pandas, Seaborn, SciPy, MPL, Numpy & Supabase*

- Pioneered an innovative fitness tracking and analytics platform, Intuitively integrating data analysis and visualization, curating a personalized fitness portfolio for 20+ patrons over 10,000 sets, enhancing user fitness experience.
- Engineered a pragmatic Workout Logging system, capturing comprehensive biometric, anthropometric, and workload data.
- Boosted patron satisfaction by 80% using advanced algorithms to analyze personalized user fitness data, providing users with a rich understanding and personalized optimization of workouts through visual models and illustration of hypertrophic trends.

QRCoder | Tools Used: *Python, Html, CSS, Git/Github pages, JavaScript, Flask*

- Engineered a robust QR code generation system that seamlessly integrates with various media formats, such as hyperlinks, images, textual data, and multimedia content, using advanced algorithms for 100% encoding accuracy and efficiency.
- Leveraged Flask in conjunction with Pillow's image processing prowess to encode data into images, and crafted JavaScript/HTML5/CSS3 to ensure precise and high-performance QR code generation with a refined user experience.

FreshBot | Tools Used: *Python, Discord, Visual Studio Code & Numpy*

- Developed an interactive Chatbot, integrated with 150+ servers, FreshBot provides versatile user-interactive features, such as media retrieval, math functions, and data manipulation, enhancing user.
- Responded to over 100,000 user queries since launch and user engagement by 15% across all servers.

Flight Reservation System | Tools Used: *Java & Data Structures*

- Developed a user-interactive flight reservation system, utilizing diverse data structures and object-oriented programming to manage seat reservations, priority, flight info, and cancellations.

SKILLS & CERTIFICATIONS

Programming Languages: Python, Java, C/C++, HTML/CSS. Javascript, PHP, Ruby, R, SQL, Bash, Elixir

Certifications: IBM Data Science Professional

Frameworks/Libraries: NumPy, Pandas, Pytorch, Pyspark, Tensorflow, SciPy, MPL, NodeJS, React, Pillow, Seaborn, Bootstrap, JQuery

Developer Tools: VScode, MongoDB, Hadoop, Oracle, Git/Github, Linux, Unix, Jira, Testrail, Confluence, Microsoft Suite, Android/iOS SDK tools, Anaconda