

RAHMAN MERCHANT

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SKILLS

Languages: Python, SQL, JavaScript, R, Racket, Java, VBA, HTML, CSS, C/C++, Go

Tools/Frameworks: Tableau, Power BI, Microsoft Excel, MySQL, Selenium, Postman, Rest API, Bash, Git, OpenAI, AWS, Pandas, Numpy, Matplotlib, scikit-learn, TensorFlow, Linux, Flask, Node.js, MongoDB, Azure, Express, Pytorch, BS4, Jest, OpenCV, YOLO, Streamlit, ETL

WORK EXPERIENCE

Incoming Business System Analyst Intern - *Questrade*

Sept 2024 - Dec 2024

- Spearheading cross-functional collaborations to harness technology and execute strategy, leading to innovative **financial services solutions**.
- Driving the development of new features through rigorous **market analysis** and **user research**, aligning product enhancements with customer needs and **industry trends**.

Data Analyst (Contract Part Time) - *Aga Khan Foundation*

March 2024 – May 2024

- Developed **Power BI** dashboards to track contributions, engagement, and team metrics across various Canadian cities for the World Partnership Walk.
- Leveraged **Pandas** and **Numpy** to clean data, to conduct exploratory data analysis to inform strategic decisions.
- Generated targeted analytical reports evaluating city performances against fundraising goals and targets.

Application Developer - *CIBC*

January 2024 - April 2024

- Leveraged **SQL** and **JSON queries** in **Elasticsearch**, to analyze financial data, deriving key insights for strategic reporting and decision making.
- Utilized **API** calls to determine causes for payment rejections, improving financial data integrity.
- Refined the process of detecting transactional errors using **Python scripts**, incorporating data parsing tools like **BS4** and **Pandas** ensuring accurate payment processing.
- Managed daily financial records using **Git Bash** and **ETL** techniques, enhancing data integrity for analysis
- Conducted complex **SQL queries** to extract transactional data, enabling detailed performance analysis and offering actionable insights that helped guide managerial decisions.

Software Developer Intern/Product Manager - *ReliablyME*

July 2023 - August 2023

- Led development of a user-friendly **React-based** Admin console web app, enhancing operations and experience
- Applied Agile practices, leveraging **Jira** reporting for efficient project tracking and workflow streamlining
- Meticulously troubleshooted and rectified software defects for seamless performance
- Enhanced the Admin console web app, developing key features, enhancing app performance and responsiveness
- Refactored code for improved readability and conducted comprehensive tests using **Jest** testing framework

PROJECTS

InnSight - Hotel Camera Analytics Platform (*Startup Co-Founder*)

March 2024 – Present

- Developed a proactive video analytics solution with **OpenCV** and **PyTorch**, using **Twilio** for instant alerts to hotel staff about unattended guests, queue issues, and security
- Created a crowd analysis algorithm using **scikit-learn's DBSCAN** to optimize staff deployment and manage queues effectively
- Utilized **MongoDB** to store real-time data events and **Figma** for prototyping to build a dynamic web app for hotel managers to visualize flow patterns and operational metrics, deployed it on an **AWS EC2**.
- Ran a pilot with a partner hotel, enhancing their staff allocation by **15%** and reducing guest wait times by an average of **30 seconds**
- Placed in the **top 8** out of **80+** teams in Waterloo's Velocity Incubator **\$5K** Pitch Competition, where my team developed and presented a pitch deck to demonstrate the product's market potential

EDUCATION

University of Waterloo, Waterloo, ON

September 2022 - Expected May 2027

Computing and Financial Management, Honors Bachelor's Degree - Double Major in Computer Science and Finance

- Recipient of President's Scholarship of Distinction.