

Al Jubair Hossain

Hamilton, ON | johnerjubair@gmail.com | (437) 559-0977 | [GitHub](#) | [LinkedIn](#) | Willing to relocate anywhere in Ontario.

Summary of Qualifications

Results-driven Software Developer, Data Analyst, and QA with around 3 years of experience in **Python, JavaScript, C#, and Unity**. Proven ability to develop **AI-driven solutions, full-stack applications, automation testing**, and predictive models to drive business growth. Expertise in **React, SQL, AWS/GCP**, OpenCV, and **data analysis**. Adept at data structures, cloud infrastructure, and performance optimization to build scalable and efficient software solutions.

Education

McMaster University

January 2023

Masters of Engineering in Computing And Software

American International University - Bangladesh

January 2015 - January 2020

Bachelor of Science in Computer Engineering

Projects & Publications

McMaster University

3D HAND SHAPE AND MOTION RECONSTRUCTION FROM 2D VIDEOS

July 2023 - September 2024

- Developed a Python-based pipeline for converting 2D hand video to 3D hand reconstruction using PyTorch, MediaPipe, and OpenCV. Utilized machine learning and deep learning techniques to enhance the accuracy of hand motion tracking and 3D reconstructing.

Comprehensive Data Analysis and-Model-Development for Income Prediction

Nov 2023 - Dec 2023

Using Random Forest & XGBoost

- Learned and focused on the dataset where logistic regression was used with random forest providing the decisions to predict income of employees of a company.
- Removing the outliers, providing many visual techniques like Heat-Map, Bar-Chart, and MSE error calibration.
- Learned techniques like gradient boosting and used regularizations to provide precise predictions.

Professional Experience

Data Analyst Intern

Sep 2024 (6 months - Contract)

Shelby's McMaster - Hamilton

- Automated data collection using **Python & SQL**, reducing manual workload by 40%.
- Developed data-driven insights using **Pandas**, increasing customer acquisition by 20%.
- Analyzed SEO and engagement data, providing actionable business recommendations.

Software Development And Promoter Intern

Jan 2022 - Aug 2022

Berger Paints LTD.

- Implemented the Somporko App with **Unity** and **C#**, leading to 100k+ downloads and optimizing dealer transactions.
- Developed **React** solutions and **automation testing** with **WebdriverIO**, improving inventory and profit management, increasing operational efficiency.
- Contributed to securing 5+ business deals, each generating \$50K+ revenue.

Creative Specialist Intern

May 2020 - Dec 2020

Asiatic Marketing Communication LTD. (Asiatic JWT)

- Developed 5+ augmented reality apps & games for **Nestlé Ceregrow, Unilever, IDLC**, securing \$30K+ per campaign.
- Utilized **Unity, C#**, and **OpenCV** to create engaging interactive applications.

Key Skills

- Programming Languages:** Python, JavaScript, C#, C++, (Html + Css)
- Web, Mobile & Game Development:** React, Unity
- Data Science & AI:** PyTorch, OpenCV, Pandas, Machine Learning
- Cloud & DevOps:** AWS, GCP, Docker, CI/CD (GitHub Actions)
- Databases:** MongoDB, MySQL
- Tools & Technologies:** PlayWright, Webdriver IO, Katalon Studio, Excel, Power Bi, Jupyter, Trello