

# MUHANA BEGUM

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## SKILLS

**Languages:** C++, Python, JavaScript, SQL, PHP, HTML, CSS

**Tools:** Power BI, Bootstrap, Vue.js, Excel

**Design:** Figma, AutoCAD, Adobe XD

## EXPERIENCE

### Systems Database Analyst • Ryerson University

*May – Aug 2020, Toronto ON*

- Organized data within database systems and created new dashboards for analytics and insights in Excel for faculty administration and the Dean of Engineering to use on a weekly basis
- Integrated information environments together and automated tasks in Salesforce using Apex, flows and processes to decrease event management and data collection responsibilities by 90%

### Student Intern • Nemetz (S/A) & Associates

*July – Aug 2018, Toronto ON*

- Demonstrated thorough design and technical proficiency with AutoCAD by simplifying electrical layout drafts and modelling mechanical components for company publications
- Completed and filed field reports, technical reports, and administrative tasks using MS Word & Excel to be published internally and externally for client review

## PROJECTS

### Personal Web Portfolio • <http://www.muhanabegum.me/>

- Developed a personal website and used Bootstrap, jQuery and AOS to increase interactivity and design
- Applied color theory, typography and modern web trends to enhance user experience

### Data Analyst Job Market Dashboard • <https://data-analyst-jobs.herokuapp.com/>

- Analyzed and interpreted a csv file with Python libraries to generate analytics in Jupyter Notebook
- Incorporated the analytics into Streamlit to create an interactive web application to showcase the data

### Study Session Review Tracker • <https://review-topics-tracker.netlify.app/>

- Used Vue.js and CSS to structurally create a website with different components for easy editing and style
- Designed the web app with appropriate colors and layout for user simplicity and functionality

### Thoughtful Opinions Web Page • <http://www.muhanabegum.me/opinions-page/>

- Generated randomly displayed quotes on an aesthetic user interface by using the Quote Garden API
- Implemented JavaScript functions for users to easily record and visualize their likes, dislikes and progress

## EDUCATION

### Bachelor of Applied Science – Honours Electrical Engineering (Co-op) • University of Waterloo

*Sep 2019 – May 2024, Waterloo ON*