

MUHANA BEGUM

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SKILLS

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

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

Design: Figma, InVision, Balsamiq, Framer, Adobe XD, AutoCAD

EXPERIENCE

Systems Database Analyst • Ryerson University

May 2020 – Aug 2020, Toronto ON

- Performed analysis of data collected from various database systems and created visual data dashboards in Excel
- Automated tasks in Salesforce using Apex and processes to decrease event management responsibilities by 90%
- Designed and presented data intensive dashboards in Salesforce for cross-functional team use
- Published email layouts for marketing with an emphasis on organization branding, standards and simple design

Electrical Design Assistant • Nemetz (S/A) & Associates

July 2018 – Aug 2018, Toronto ON

- Simplified electrical layout drafts, created mechanical components for company publications and demonstrated thorough design proficiency with AutoCAD
- Applied best practises and general design principles in modelling components and re-creating existing projects

PROJECTS / PORTFOLIO WORKS

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

- Developed a responsive single page web layout using Bootstrap, CSS, jQuery and JavaScript with user interface (UI) elements that deliver an interactive and engaging user experience (UX)
- Applied colour theory, user interface patterns and current design trends to enhance visual impact on users

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

- Collected Kaggle datasets and used Python to generate statistics, charts and visual data representations
- Integrated the analytics into Streamlit to create and design an interactive data web application to communicate results with public users

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

- Created a web application using Vue.js, CSS, and by implementing user-centered design practises for the simplicity and intuitive response of the student end users
- Focused on application functionality to maximize user experience (UX) and flow by applying minimal graphics

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

- Generated randomly displayed quotes on an aesthetic user interface by using the Quote Garden API
- Animated UI elements using CSS for visual design and implemented JavaScript functions for user interactivity

EDUCATION

Bachelor of Applied Science – Honours Electrical Engineering • University of Waterloo

Sep 2019 – May 2024, Waterloo ON