

Karim Darrag

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WORK EXPERIENCE

Delve Health

Mar. 2021 – Nov. 2021

Software Engineer Intern

Minnesota, USA

- Developed 11 data dashboards using SQL, Google BigQuery, Google Data Studio, and the Google Cloud Platform for business operations and pharmaceutical clients to conduct evaluations and identify engagement issues.
- Built a notification system for involved personnel using the Laravel framework and SQL that would provide a form to fill out and store the data of the form to be later analyzed and visualized using Google Data Studio.
- Built a system that gathers data from provided JSON files stored in an SFTP server, parses the data, and stores it in Firebase and the Google Cloud Storage to be later analyzed and visualized in data dashboards and reports using Google Data Studio and SQL.
- Led the software validation team in the creation and execution of test scripts and review of a system requirements specification document and a system validation plan.

EDUCATION

York University

January 2020

BS, Computer Science

Toronto, ON

CERTIFICATES

Microsoft Certified: Power BI Data Analyst Associate (PL-300)

September 2022

- Certification Number: I406-1043

PROJECTS

Machine Learning Data Analysis using Python to analyze House Sales

November 2022

- Performed data wrangling, exploratory data analysis, model development, including simple and multiple linear regression models, and model evaluation and refinement, including polynomial transformations and evaluation of R-squared values, to analyze and predict housing prices using attributes including square footage and other attributes included in an imported dataset of house sales in King County, USA from May 2014 to May 2015. Utilizes the Pandas, NumPy, sci-kit-learn, Matplotlib and seaborn Python libraries, as well as Jupyter Notebook.

Hotel Bookings Data Dashboard using SQL and Microsoft Power BI

November 2022

- Utilized Microsoft SQL Server Management Studio along with SQL and Microsoft Power BI to analyze and visualize over 100 thousand rows of hotel booking data in Microsoft Power BI to create a data dashboard that answers common stakeholder questions relating to revenue growth and trends in data.

Social Media Website Project using the MERN stack

February 2022

- Utilizing the MERN stack, this website allows users to register, login, and create posts as well as like their and other users' posts.

Video Game Battle Simulator (Offline Browser Game)

Sep. 2021 – Oct. 2021

- Developed a locally hosted video game battle simulator based on the popular Pokémon series using Laravel. It is a browser-based game tested with a preset of characters from Pokémon that can battle each other and level up.

SKILLS

Excellent command of: SQL; Microsoft Excel; Google Data Studio; Google Cloud Platform; Google BigQuery; Python; Microsoft Power BI

Working command of: Laravel; PHP; Jupyter Notebook; React.js; JavaScript; Tableau; SAS; Microsoft Azure; MongoDB