SUSHANT DESHPANDE

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Profile:

Experienced Data Analyst with a background in building statistical, predictive, and machine learning models to solve critical problems and powerful visualizations using Power BI and Tableau to ensure business success. With an MSc. in Mathematics and Computer Science and a Data Analytics Certification from the University of Toronto, I'm passionate about transforming numbers into actionable insights, well vast in **database architecture, ETL methodologies and enjoy working in an agile environment.**

Technical Skills:

- Proficient in scripting languages*: **Python, SQL, T-SQL, JavaScript, D3**
- Proficient in Data Visualization tools: **Power BI**, **Tableau,** MS Excel
- Proficient in cloud platforms/tools: Azure Storage Account, Data Lake Storage, Azure Databricks, AWS (S3 Buckets)
- Experienced in Relational/non-relational database systems: MS SQL Server, MySQL, MongoDB, PostgreSQL
- Office Tools: Microsoft Office Suite (Word, PowerPoint, Excel, Outlook, **SharePoint,** Access)

Professional Experience:

Data Analyst/Power BI Developer   May 2016 – Present
Weigl Educational Publishers Ltd., Canada

- Aggregated data from different sources (CSV, JSON, SQL Database, web, etc.), cleaned and analyzed it (using ETL processes) and created powerful visualizations and infographics (using PowerBI) which were used in presentations and dashboards.
- Analyzed structured and unstructured data to identify problems and organize findings to translate into actionable insights using innovative techniques (using Python) thereby achieving better results and increasing sales by 20%.
- Created powerful interactive dashboards using D3 JS to visualize sales and marketing data thereby helping management find patterns in data.
- Working on creating a web app that can predict student grades based on their past performance (using Python, HTML5, CSS, Bootstrap and JavaScript)
- Conducted root cause analysis on customer data and summarized analysis into actionable reports, dashboards, and visualizations in Power BI, and communicated findings to senior leadership effectively.
- Created front-end solutions by publishing reports to Power BI Service, SharePoint Online, and created self-service applications to ensure data is readily available to decision makers.
- Created powerful presentations, reports and marketing brochures using Adobe InDesign, Illustrator and Photoshop.

Web Designer   May 2013 – April 2016
AXON Data, India

- Designed website layout/user interface by using standard HTML5/CSS/Bootstrap practices which helped launched their website and promote the organization.
- Integrated data from various back-end services and SQL Database which were used to display results on the website and control DOM features.
- Created custom graphics for clients with more than 90% client satisfaction score thereby increasing customer retention and sales for the organization.

Web Developer   July 2010 – April 2013
Weigl Educational Publishers Ltd., Canada
- Designed and developed websites using CSS, HTML5, WordPress and Magento which was the launch product that propelled Weigl into the digital platform and increased sales by 25%.
- Designed and developed Flash activities, Flipbooks, ReadAlongs and audiobooks using ActionScript 3 and HTML5 which was part of the Digital Media Enhanced books.

Key achievements:
- Attained 90% on yearly review and completed all projects within the set deadlines.
- Achieved 20% better results by providing actionable insights through data analysis and visualization.
- Supervised a team of 6 intern students every summer.
- Handled web design of 75% of client projects.
- Increased customer retention by 18%.

Projects:
Predicting Real Estate | https://findhouseprice.herokuapp.com **|**
https://github.com/dayothompson/ML_Project
Summary: Created a machine learning web app. Collected data form websites using Python, build ETL pipelines to clean and transform the data, created database schemas to store data in PostgreSQL and AWS, build a Flask app and framed APIs to pass data stored in PostgreSQL and AWS (S3 bucket) to the Flask app as JSON. Generated visualizations for it using JavaScript, D3 and Leaflet. Constructed a machine model using Natural Language Processing and TensorFlow with more than 76% accuracy and deployed it successfully to website. Constantly working on tuning the model to improve its accuracy.

ETL Project | https://github.com/sushant822/etl_project
Summary: Web scraped Remax and Walk Score websites for house listings and walk, bike and transit score respectively. Cleaned the data, stored it SQL Databases and wrote queries and procedures to transform and load the data to frontend.

COVID-19 Research | https://github.com/sushant822/COVID-19
Summary: This project sets out to answer 4 main questions: who was affected by the virus, which regions in Ontario were affected most, how was the virus contracted, and does weather conditions play a role in the spread of this virus in Toronto? Analyzed the data and created powerful visualizations in Python using various libraries for it thereby making the data tell a visual story.

Education:
Microsoft Certified: Data Analyst Associate (In Progress)
Power BI

University of Toronto, SCS, Toronto, ON
Data Analytics

University of Lethbridge, Lethbridge, AB, Canada
Mathematics and Computer Science, Master's Degree

Rajiv Gandhi Technical University, India
Computer Science, Bachelor of Engineering