SUSHANT DESHPANDE

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👤 Profile:

Data Analyst with a background in Mathematics. Graduated from University of Toronto's Data Analytics Bootcamp and Master of Science in Mathematics and Computer Science form University of Lethbridge. Finds great satisfaction in extracting insights from data that inform decision-making and drive growth. Team-oriented individual with strengths in analytical problem solving, data wrangling and collaborating across diverse groups.

⚙ Technical Skills:

Languages: Python, R, SQL, JavaScript, VBA
Data Visualization: Tableau, D3.js, Plot.ly, Leaflet.js, Matplotlib, Seaborn
SQL: PostgreSQL, MongoDB, Microsoft SQL Server
Python: Pandas, NumPY, SciPy, SQLAlchemy, Visual Studio Code
Excel: VBA, Macros, Pivot Tables/Charts, Index/Match VLOOKUP
Other: Jupyter Notebook, Amazon Web Services(AWS): Hadoop, PySpark, Heroku

📑 Projects:

Data Visualization/JavaScript Project | https://github.com/sushant822/javascript_project
Summary: Web scraped Remax website for house listings and Walk Score website for walk, bike and transit score for that listing. Cleaned up the data and stored it SQL Databases, analyzed the data and displayed results using D3.js and Leaflet.

- **Responsibilities:** Responsible for creating algorithms to scrape and collect the data, performing data cleanup and analyzing it, creating APIs to pass the data from Flask app as JSON and creating visualizations for it.
- **Tools/languages used:** JavaScript, D3.js, Leaflet, Python, SQL (PostgreSQL, Microsoft SQL Server and MongoDB), Pandas, NumPY, BeautifulSoup, API, JSON
- **Number of team members:** Four

ETL Project | https://github.com/sushant822/etl_project
Summary: Web scraped Remax website for house listings and the Walk Score website for walk, bike and transit score for that listing. Cleaned up the data and stored it SQL Databases.

- **Responsibilities:** Responsible for writing algorithms to scrape and collect the data, performing data cleanup.
- **Tools/languages used:** Python, SQL (PostgreSQL, Microsoft SQL Server and MongoDB), Pandas, NumPY, BeautifulSoup.
- **Number of team members:** Four

COVID-19 Research | https://github.com/sushant822/COVID-19
Summary: Project sets out to answer 4 main questions: Who was affected by the virus, which regions in Ontario were affected, how was the virus contracted, and what roles do weather conditions play in the spread of the virus in Toronto?

- **Responsibilities:** Responsible for creating algorithms to scrape the data, cleaning and transforming it.
- **Tools/languages used:** Python, SQL, Pandas, NumPY, Matplotlib, Google Maps API.
- **Number of team members:** Three

💼 Professional Experience:

Data Visualizer, Weigl Educational Publishers Ltd. – Canada   May 2016 – Present
Key achievements:

- Attained 90% on yearly review and finished all the projects within the set deadlines.
- Boosted revenue by providing actionable insights through data analysis and visualization.
- Supervised a team of around 6 intern students every summer.

Responsibilities:

- Collecting data from various sources, processing and analyzing it.
- Verifying the integrity of data collected and used.
- Perform data extraction, wrangling, warehousing and analysis by using Business Intelligence (BI) tools, SSIS, and Extracting, Transforming and Loading (ETL) data from Excel and flat file source into SQL Server.
- Creating stored procedures and views in the database.
- Analyze structured and unstructured data to identify problems and organize findings to translate into actionable insights using innovative techniques.
- Modifying models to ever changing business needs and demands.
- Visualize sales and production data in Tableau and generate reports, creating dashboards and presentations.
- Provide training and support for summer intern students.
- Outline work plans, determined resources and write timelines for summer intern student teams.
- Produce presentations and reports updating senior leaders on progress and roadblocks.

Web Designer, AXON Data – India   May 2013 – April 2016
Key achievements:

- Developed company website with a team of web developers.
- Delivered website and changes before deadline thereby conserving company budget.

Responsibilities:

- Create website layout/user interface by using standard HTML5/CSS practices.
- Integrate data from various back-end services and databases.
- Gather and refine specifications and requirements based on technical needs.
- Responsible for maintaining, expanding, and scaling website.

Web Developer, Weigl Educational Publishers Ltd. – Canada   July 2010 – April 2013

Key achievements:
- Launched a new product (Digital Media Enhanced Books) within the set deadline.
- Achieved 25% increase in sales by designing and developing digital media for printed books.

Responsibilities:
- Design and develop websites using CSS, HTML5, WordPress and Magento.
- Design and develop Flash activities using ActionScript 3 and HTML5.
- Design and develop Flipbooks and ReadAlongs using ActionScript 3.
- Develop a database with inventory of Weigl books and keep it updated.
- Design and layout banners, adds, flyers, catalogs, marketing inserts.

🎓 Education:

Data Analytics Certification, Canada
University of Toronto   2020

Master of Science (M.Sc.), Canada
Master of Science in Mathematics and Computer Science
(Linear Algebra and Combinatory Logic); University of Lethbridge   2010

Bachelor of Engineering(B.E.), India
Bachelor of Engineering in Computer Science; Rajiv Gandhi Technical University   2005

🎖 Awards:

- Awarded with University of Lethbridge Scholarship for getting A grade in Lambda Calculus course.
- Awarded with University of Lethbridge International Research Award for performing outstanding research in the field of Lambda Calculus and Combinatory Logic.
- Consistently recognized by supervisor for demonstrating excellent teamwork and strategic thinking skills.