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**PROFILE**

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| 4 years of experience in leading projects, analyzing datasets, developing dashboards and presenting data-driven results to customers. Experienced in querying data using SQL and Python scripting; delivered results contributing to increase in revenue, cost savings and enhanced customer experience. Researched new technologies and conducted market intelligence studies. Currently pursuing Master’s in Information Systems and actively seeking full time opportunities starting Summer ’23. |

**WORK EXPERIENCE**

**Graduate Assistant (Data Analyst), University of Washington Finance, WA June 2022 - Present**

* Collaborate with leads for UW Finance Transformation program (UWFT) worth $250M, to identify key requirements in the Workday Foundation Data Model (FDM) and maintained data integrity, while transferring from Oasis to Workday.
* Regularly attend technical workstream meetings to identify problem statements, use cases, technical requirements, timeline expectations, project deliverables, action items and follow ups.
* Optimize the data querying process by improving SQL queries to retrieve data across 5 different databases, led to 20% decrease of staff time and efficiency improvements.
* Working in a team with 5 other analysts, to perform requirement analysis and providing analytical guidance at a programmatic level including mapping and documentation of business processes for transformation program.

**Data Analyst, SUEZ Water Technologies and Solutions, India July 2018 - Mar 2022**

* Identified and led goals of testing emerging technologies and generated business worth $500,000 through scaling of successful pilots to full scale projects. Performed real-time analytics and presented data backed results to customers for pilot tests.
* Collected historical operational data of water treatment plants and utilized SQL, Excel and PowerBI to perform root cause analysis on key parameters. Resulted in better estimation of design parameters, optimized margins, reducing project costs by 5%-10%.
* Analyzed large dataset using SQL for data wrangling and performed market intelligence and competitive analysis through Tableau dashboards. Gained understanding of competitor market shares and channel sales, which contributed to onboarding of 10 potential customers.
* Collaborated with Information Management team to drive digital transformation. Facilitated migration of excel tools to cloud based infrastructure, improving response time by 15% and reducing service errors by 30%.
* Used Insight, a data inventory and analytics tool, to display KPIs data into insightful dashboards. Presented monthly status updates to leadership team on the ongoing programs, including quarterly goal updates to VP level.
* Led team of 3 cross cultural and highly skilled Pilot Support Specialists, assisting with on-site operations.

**EDUCATION**

**University of Washington, Foster School of Business, Seattle, WA Mar 2022 - June 2023**

*Master of Science in Information Systems (3.83/4 GPA)*

**Courses** – Business Data Mining and Analytics, Database Systems and Data Warehouses(s),Advanced and Unstructured Data Mining, Digital Transformation of Organizations, Business Decision Models, Cloud computing, Networks and Cybersecurity.

##### Manipal Institute of Technology, India Aug 2014 - Aug 2018

*Bachelor of Technology in Engineering (3.0/4 GPA)*

**Courses** – Computational Methods in Chemical Engineering, Engineering Economics and Engineering Mathematics.

**SKILLS**

**Skills –**Logic and Analysis, Data hypothesis testing, Data Modelling, Data Cleansing, Warehousing, Mining and Visualization, Documentation (Audit Report, SOPs), Statistics, Calculus and Probability, Cloud Computing, Cybersecurity, Professional communication and leadership reporting.

**Programming Languages –** Python, SQL, R

**Technical Platforms** – Tableau, PowerBI, SQL Server Management Studio, TensorFlow, PyTorch, Amazon RDS, Azure studio, Google BigQuery, SQL Developer, RStudio, PostgreSQL, Jira Software, Advanced Microsoft Excel, Microsoft Office, SharePoint, Amazon Web Services and Trello.

**PROJECTS**

**Flight Delay Prediction – Kaggle**

Developed a model to predict flight delay before takeoff based on multiple factors. Utilized Classification and Regression models to generate model and visualized dataset through Matplotlib and seaborn.

#### Mental Health in Tech Survey - Kaggle

Used survey data generated by OSMI to generate predictive model for Mental Health treatment among workers in Tech Industry. Trained Logistic Regression and Random Forest models for data containing 15+ features. Utilized visualization and text mining techniques.

**iMDB Movie Industry – University of Washington/Kaggle**

Utilized SQL to analyze various elements of movie industry e.g. budget, gross earnings, ratings, production company performance etc. for Hollywood movies from 1980-2020. Completed various stages of data analysis – cleaning, analytics and visualization using Tableau.

**Titanic: Machine Learning form Disaster - University of Washington/GitHub**

Generated insights from Titanic sinking incident by using pandas to analyze and manipulate the data and **matplotlib**and **seaborn**for data visualization. Applied logistic regression model to predict passenger survival rate based on different factors.

**Covid 19 Dataset – Kaggle**

Tableau dashboards created to analyze Covid 19 dataset using country/region/state filters to showcase number of confirmed and recovered cases.

**ACCOMPLISHMENTS**

* **SUEZ Values Award** - customer accountability and innovative solutions **March 2021**
* **Grace Hopper Celebration** – Took part in GHC ‘22 and volunteered for the conference in-person **Sep 2022**
* **Adobe Analytics Challenge - Oct 2022**
* Participated in a team of 3 to present data-driven solutions for one of the biggest hospitality company – Hilton.
* Utilized Adobe Customer Journey Analytics to analyze, visualize data and generated predictive models.
* Presented solutions to Hilton based on analysis of metrics - device type, customer segmentation & third party/OTAs.
* **Student IT Architecture Competition - Dec 2022 – May 2023**
* Participant of 6-month IT architecture case competition to build real-world IT solutions for volunteer based Non-profit organization, to boost their volunteering efforts. The competition involves multiple deliverables – Software, Security and Deployment Architecture, UI/UX, Data Architecture, Technology stack and defining Business Processes.
* **International Water Conference** (Engineers Society of Western Pennsylvania) **Nov 2020 - Nov 2021** Presenter and First Author - Conference Paper for two consecutive years

**PUBLICATIONS**

Kaur, H. and Natarajan, T. “High Recovery Water System Integrated with ZLD for a Brewery Plant in India” International Water Conference IWC 20-31 (2020)

Kaur, H. Deshpande, A. and Sharma, M. “Advanced Wastewater Treatment in Textile (Dyeing Plants) – An Overview of Bangladesh Region” International Water Conference IWC 21-23 (2021)