**AASHISH NAIR**

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**WORK EXPERIENCE**

**Data Scientist Jr.** August 2021 - Current

*Optimal Solutions Group, LLC* | *College Park, MD*

* Prepared analytic reports for clients that evaluated business performance and made recommendations for future improvement
* Created dashboards with Power BI and Tableau to track programs and provide insight for subsequent business decisions
* Built ETL pipelines to automate the procurement and reporting of financial statements with Python

**Data Science Intern** November 2020 – May 2021

*DailyBot* | *Washington, DC*

* Utilized TensorFlow framework and NLP libraries to build a chatbot that performs commands based on given user input
* Compiled use cases for reducing time for repetitive activities using a chatbot microservice
* Worked with the programming team to design the determine how to embed the chatbot into the company infrastructure

**Data Visualization Intern** May 2020 – August 2020

*BroadStreet* | Washington, DC

*•* Led a visualization team of up to 8 people that visualized Covid-19 data from the Midwest

*•* Utilized Tableau to create dashboards and capture Covid-19 spread for different demographics

*•* Independently collected and cleaned data on COVID-19 cases and deaths in Iowa and Kansas from public websites daily using Python

**TECHNICAL SKILLS**

* **Languages**: Python, R, SQL
* **Cloud Computing Platforms:** Amazon Web Services (AWS), Google Cloud Platform (GCP)
* **Big Data/Databases:** MySQL, PostgreSQL, Apache Spark, Amazon Redshift
* **Libraries/Frameworks:** Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Spacy, NLTK, Pytorch
* **Data Visualization Tools:** Tableau, Power BI
* **Other:** ETL, A/B testing, Time series analysis

**EDUCATION**

**Master of Science, Data Science** May 2021*George Washington University | Washington DC*

**Bachelor of Science, Industrial Engineering** May 2019

*Pennsylvania State University | University Park*

**PROJECTS**

**Detected Faulty Water Pumps in Tanzania** | [Github Link](https://github.com/anair123/Detecting-Faulty-Water-Pumps-With-Machine-Learning) June 2023

Built an XGBoost model that predicts the functionality of water pumps in Tanzania and deployed with with Heroku

**Analyzing Flight in U.S, Airports** | [Github Link](https://github.com/anair123/Tracking-U.S.-Flights-With-AWS-and-Power-BI) April 2023

Built a data pipeline with data provided by the Bureau of Transportation Statistics and extracted insights using AWS and Power BI

**Spotify Track Popularity Predicting Web App |** [**Github Link**](https://github.com/anair123/Identifying_Drivers_Of_Song_Popularity_With_Causal_ML)January 2023

Trained a random forest model to predict the popularity of Spotify tracks and deployed it in a Streamlit app

**CERTIFICATIONS**

**AWS Certified Cloud Practitioner** December 2022

* **Offered by Amazon, which proves proficiency in cloud principles and AWS technologies**