ABHIJITH ANIL VAMADEV

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https://www.linkedin.com/in/abhijithvamadev | https://github.com/aaabhijith13/Data_Science

Objective

As a passionate data enthusiast with an MS in Applied Data Science and a BS in Industrial Engineering, my objective is to secure a Data Analyst role in a growth-oriented company where I can unleash the power of data to drive growth and mutual success. With expertise in Statistical Analysis, Machine Learning, Data Storytelling, Python, and JavaScript, I am committed to leveraging data to its fullest potential and contributing to the success of the organization.

Education

Master of Science in Applied Data Science | Syracuse University, USA   Aug 2021 – May 2023

Bachelor of Science in Industrial Engineering & Certificate in Entrepreneurship | Purdue University, USA   Aug 2016 – May 2020

Professional Experience

Data Science Intern- GlobalFoundries | USA   Jan 2023 – May 2023
- Validated and optimized 5+ CRISP-DM documents at GF, aligning data processing with business objectives and incorporating industry best practices.
- Conducted EDA, statistical analysis, and data visualization on three months of Fault Detection and Classification trace data (FDC - Time Series data) with Python, PySpark, Apache Spark, seaborn, and Matplotlib in AWS SageMaker notebook. Optimized workflows for small and big data processing utilizing AWS services.
- Enhanced the data workflow by transferring data from Oracle DB to an S3 bucket through KNIME, resulting in a 50% reduction in data processing time from one month to two weeks. This led to significant cost savings and increased team productivity.
- Provided data-driven recommendations for data collection and monitored workflows using AWS CloudWatch, resulting in cost savings.

Software Development Intern- TRUSTFLOW.AI | India   May 2022 – Aug 2022
- Constructed 3+ interactive dashboards and 2 websites with React and Nodejs, by querying user and analytics data from MySQL.
- Devised Python programs for social network data extraction and implemented a program for email tracking and message segregation through GMAIL API, resulting in complete automation of the process and significant cost savings. Employed Azure DevOps for project monitoring, code collaboration, and application creation.

Engineering Intern- GALFAR AL MISNAD ENGG& CONTRACTING | Qatar   Jan 2021 – Jun 2021
- Constructed workflows in a document database management system and enhanced work efficiency.

Skills

Data Science
- Strong programming skills in Python, R, and SQL for data analysis and visualization using Tableau, Power BI, and Excel.
- In-depth knowledge of machine learning algorithms, statistical analysis, and A/B testing.
- Proficient in big data technologies like Hadoop and Spark for cleaning, preprocessing, and analyzing large datasets.
- Conducted NLP, sentiment analysis, and text classification tasks.
- Proficient in working with time series data, including forecasting and trend analysis.

Programming/ Software

Python (REST API, Pandas, PySpark, scikit-learn, TensorFlow, PyTorch, AutoGluon), R, SQL, JavaScript (React, NodeJs, Express, CORS), Linux. Tableau, Zoom, Power BI, KNIME, VBA. Google Analytics, Excel ,Visual Studio, Visual Code, Git, Business Intelligence.

Projects

Vehicle identification using Image classification
- Developed and deployed an image classification model to differentiate bicycles from motorcycles utilizing AWS Sagemaker, model training via Lambdas, and step function workflow.

Telco Customer Churn
- Predicting Telco Customer Churn utilizing Big Data by using PySpark, Hadoop, Pandas, Seaborn and SkLearn.

Data Warehouse Project
- Utilized SQL Management Studio and SSIS to build a Data Warehouse and Business Intelligence program on SQL Server for Fudgemart, Inc. with deliverables such as dimensional modeling worksheets, ETL documentation, and a BI dashboard.

Credit Card Users Churn Prediction
- Developed a classification model to predict customer churn and improve bank services, including dataset exploration and visualization to identify patterns and model optimization to improve performance.

Certificates

Post Graduate program in Data Science and Business Analytics (The University of Texas at Austin and Great Learning)

AWS Machine Learning Engineer (In Progress) (UDACITY)