

ABHIJITH ANIL VAMADEV

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<https://www.linkedin.com/in/abhijithvamadev> • https://github.com/aaabhijith13/Data_Science

Education

- Syracuse University, School of Information Studies** May 2023
Master of Science in Applied Data Science
Relevant Courses: Database and Data Management, Applied Machine Learning with Python and R, Business Analytics, Quantitative Research and Reasoning for Data Science, Big Data Analytics, Information Visualization, Cloud Computing, Scripting for Data Analysis, Data Warehouse
- Purdue University, School of Industrial Engineering** May 2020
Bachelor of Science in Industrial Engineering, Certificate in Entrepreneurship, and Innovation
Relevant Courses: Ordinary Differential Equations, Stochastic Models, Probability and Statistics I & II, Linear Algebra, Manufacturing Process, Process Management

Experience

- Data Science Intern, Malta, NY, GlobalFoundries** Jan 2023 – May 2023
- Collaborated with 2 cross-functional teams to migrate data workflow from Oracle DB to S3 using KNIME, resulting in 50% faster processing and 50% improved team productivity.
 - Implemented a script for analyzing 12+ weeks of Fault Detection and Classification trace data improving productivity by 25%.
 - Conducted data driven research with 3 department managers by updating 5 CRISP-DM documents.
- Software Development Intern, Bangaluru, Karnataka, TRUSTFLOW.AI** May 2022 – Aug 2022
- Collaborated with a team of 5+ members to develop 4 interactive dashboards, 3 websites utilizing React, Nodejs and SQL.
 - Designed 6+ Python algorithms to collect data from social network APIs, leading to 30% increase in team productivity.
 - Assisted in automating website deployment using Python and Azure DevOps, resulting in a 33% increase in team productivity.
- GALFAR AL MISNAD ENGG& CONTRACTING, Doha, Qatar, Engineering Intern** Jan 2021 – Jun 2021
- Automated 2+ workflows in a document database management system using Excel Macros and VBA.
 - Constructed 3 dashboards by using Tableau to gain better insights into engineering procurement problems.
- Data Analyst Intern, Amsterdam, Netherlands, NeuroReality** May 2018 – Dec 2018
- Developed 2 dashboards via Excel to conduct market research for product development.
 - Implemented a SWOT analysis and Confrontation Matrix to study competitors and determine market entry strategy.

Technical Skills

Data/Business Analysis

- **Data Analysis & Data visualization tools:** Python, R, and Excel (macros, imports, query function).
- **Business Intelligence tools:** Looker, Tableau and PowerBI(Dashboards, KPIs) .
- **Big Data:** Hadoop, NoSQL, and Apache spark.
- **Database Technologies:** MySQL, SQL Developer, PostgreSQL, Microsoft SQL Server, S3 Amazon.
- **Data Science Techniques:** A/B Testing and Hypothesis Formulation and Testing

Programming / Software

Python (REST API, Spark), R, SQL, JavaScript, BASH, Linux, Zoom, KNIME, Google Analytics, Business Intelligence.

Cloud Environments

Microsoft Azure DevOps, Git, GitHub, BitBucket, AWS (Sagemaker, Lambda, Step Functions, CloudWatch, Snowflake, RedShift)

Projects

Data Engineering - Data Warehouse Project

- Developed a Data Warehouse for Fudgemart, Inc using SQL Management Studio, SSIS and Business Intelligence tools to improve business processes.
- Designed large-scale warehouse, implemented multi-dimensional databases, utilized dimensional modeling, created scalable Extract, Transform and Load processes, and developed Power BI dashboards to address requirements and provide solutions.

Stroke Prediction - Health Data

- Predicted the probability a patient is likely to get a stroke based on parameters like gender, and various diseases.
- Implemented Logical data modeling, deep learning, data extraction, data pipelines, analyzing and mining business data, identifying patterns and statistical methodologies to provide data driven recommendations.

Certificates

- Post Graduate in Data Science and Business Analytics** (The University of Texas at Austin and Great Learning)
- AWS Machine Learning Engineer (In Progress)** (UDACITY)