

ABHIJITH ANIL VAMADEV

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<https://www.linkedin.com/in/abhijithvamidev> • 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 Management, Applied Machine Learning with Python and R, Business Analytics, Quantitative Reasoning for Data Science, Big Data Analytics, Deep Learning, Algorithm, 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

Experience

Data Science Intern, Malta, NY, GlobalFoundries

Jan 2023 – May 2023

- Collaborated with 2 cross-functional teams by transferring data from Oracle DB to an S3 bucket through KNIME, resulting in a 50% reduction in data processing time from 1 month to 2 weeks, which led to significant cost savings and increased team productivity by 50%.
- Implemented a standard script for conducting Exploratory Data Analysis, statistical analysis, and data visualization on 12+ weeks of Fault Detection and Classification trace data (Time Series data) utilizing Python, PySpark, seaborn, and Matplotlib in AWS SageMaker notebook, which improved productivity by 25%.
- Communicated and worked with other department heads to validate 5 CRISP-DM documents to align current data processing methods to match industry standards.

TRUSTFLOW.AI, Bangaluru, Karnataka, Software Development Intern

May 2022 – Aug 2022

- Collaborated with a team of 5+ members to develop 4 interactive dashboards and 3 websites utilizing React and Nodejs by querying user and analytics data from MySQL.
- Developed 2+ programs in Python by collaborating with 2 other team members to retrieve data from WhatsApp and Telegram API and create and deploy a dashboard using React and SQL to display the data from different social network channels improving the productivity of the team by 30%.
- Assisted in the automation of React website deployment process through Python scripts and Azure DevOps which lead to 33% efficiency in team productivity.

Skills

Data Science

- **Visualization:** Python, R, Tableau, Power BI, and Excel.
- **Machine Learning:** Logistic Regression, Deep Learning, Random Forest, Scipy, Scikit-learn, TensorFlow, PyTorch, Pandas.
- **Big Data:** Hadoop, NoSQL, and Apache Spark.
- **Databases:** MySQL, PostgreSQL, Microsoft SQL Server, S3 Amazon.
- **A/B Testing and Hypothesis Formulation and Testing**

Programming/ Software

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

Cloud Based Services

Microsoft Azure DevOps, GitHub, BitBucket, Microsoft Teams, AWS (Sagemaker, Lambda, Step Functions, Cloud Watch)

Projects

Credit Card Users Churn Prediction

- Developed a classification model to predict customer churn and to improve bank services so that customers can be well served.
- Dataset exploration (outlier detection, filtering, and interpolation) and visualization to identify patterns and classification model tuning to improve the performance and production of the model and provide data-driven recommendations to stakeholders.

All Life Bank Personal Loan Campaign Model

- Built a model to help the marketing team identify potential loan customers with a high probability of purchasing.
- Exploratory data analysis, data pre-processing, and machine learning techniques including decision trees and logistic regression, and AUC-ROC was utilized to convert liability customers to personal loan customers

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)