

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

Master of Science in Applied Data Science

Syracuse, NY

May 2023

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

The University of Texas at Austin and Great Learning

Post Graduate program in Data Science and Business Analytics

Austin, TX

August 2021

Relevant Courses: Supervised Learning: Classification and Regression Trees, Fine-Tune and Model Evaluation, Naïve Bayes Classifier, kNN, SVM and Ensemble Learning, Exploratory Data Analysis, Unsupervised Machine Learning: Clustering and Time Series

Purdue University

Bachelor of Science in Industrial Engineering, Certificate in Entrepreneurship, and Innovation

West Lafayette, IN

May 2020

Relevant Courses: Ordinary Differential Equations, Stochastic Models, Probability and Statistics I & II, Operations Research, Manufacturing Process

WORK EXPERIENCE

Data Science Intern, GlobalFoundries, New York, United States

Jan 2023 – Present

- Formulated data curation documents that helped to navigate through the data stored in Amazon S3 buckets and kickstarted the machine learning process for a semiconductor fabrication plant.
- Investigated Fault-Detection and Classification data, by using Amazon SageMaker notebooks and developed code in a python environment to understand the data further through EDA.

Full-Stack Developer, TRUSTFLOW.AI, Bangalore, India

May 2021 – Aug 2021

- Develop dashboards, with signup forms, tabs, and tree-components by using React then collect data using MySQL, Nodejs, Express and CORS from the company database and integrate the data with the dashboards and with other components that have been developed.
- Develop programs in Python to retrieve data from WhatsApp and Telegram API and create and deploy a dashboard using Tailwind and React to display the data from different social network channels.
- Design and create databases to store the retrieved information from different social network channels in MySQL.
- Utilize Linux to set up servers and to deploy the developed Python programs and dashboards online.
- Implement a Python program to retrieve information from GMAIL API to keep track of incoming and outgoing emails and develop an automated process of segregating messages based on Subject, Content and Sender ID of emails.
- Work with Azure DevOps to keep track of projects, collaborate on code development and to build applications.

Engineering Intern, Galfar Al Misnad Engg& Contracting, Doha, Qatar

January 2021 - June 2021

- Developed and built workflows in the document database management system that improved work efficiency.
- Utilized data cleaning, analysis, and visualization with the help of Spreadsheets, SQL, and R programming.
- Presented and organized data with the help of dashboards by using Tableau, which helped in gaining better insights into engineering procurement problems.

PROJECTS

Credit Card Users Churn Prediction

June 2021 - July 2021

- Utilized the "Visit with us" travel companies' dataset to analyze the customers' information and built and implemented different models to predict the potential customer who is going to purchase the newly introduced package by using the following skills: Customer Profiling, Boosting Classifier - AdaBoost, Gradient Boosting and XGBoost, Stacking Classifier, Hyperparameter Tuning using GridSearchCV.

AllLifeBank Personal Loan Campaign Model

May 2021 - June 2021

- Utilized raw data to do feature engineering and implemented machine learning models to help the marketing department to identify potential customers with a higher probability of purchasing loans by using the following skills: Exploratory Data Analysis, Missing Value Treatment, Data Preprocessing, Logistic regression, multicollinearity, finding optimal threshold using AUC-ROC curve, Decision trees, Pre/post pruning

TECHNICAL SKILLS

Programming: Python (REST API, Pandas, PySpark, scikit-learn TensorFlow, PyTorch, AutoGluon), R Programming, SQL (Queries, Joins, Commands, Aggregation, Tables), JavaScript (React, NodeJs, Express, CORS) Linux, CSS Styles (Tailwind, SASS).

A/B Testing and Hypothesis Formulation and Testing

Cloud Based Services: Microsoft Azure DevOps, GitHub. BitBucket, Microsoft Teams, AWS (Sagemaker – Studio/Jumpstart, S3, Lambda)

Software: Tableau (Dashboards), Microsoft Office (Excel, PowerPoint, Word), Zoom, Power BI and KNIME (Dashboards), Google Analytics, Adobe Illustrator, Apache Spark, Excel (lookup, correlation, regression, forecasting, Power Query, Power Pivot, Solver Optimization), AWS – SageMaker, S3, RedShift, Sapphire. Microsoft – Visual Studio, Visual Code, Access, Teams and Azure.