

ASWINI DINDUKURTHY

DATASCIENTIST

0782732824 
aswinidindukurthy@gmail.com 

SUMMARY

- **Having 9.8 years of working experience** in IT industry, and currently working as a **Data Scientist** with various business domains such as Banking, Retail industries etc.
- **Highly efficient** in **Machine Learning, Data Acquisition, Data Validation, Predictive Modeling, and Data Visualization, Data Mining.**
- Experience in **Machine Learning algorithms** such as **Linear Regression, SVM, KNN, Naive Bayes, Random Forest, CART, K-means Clustering, Hierarchical clustering, PCA, Feature Selection, artificial neural networks** and **NLP.**
- Extensive experience in **statistical programming languages** and data analysis tools, such as **python, R Programming (ggplot2), Anaconda (Jupyter Notebook)** and **SQL.**
- Experience in transforming business requirements into analytical models, designing algorithms, developing data mining.
- Experience with **Python** libraries including **Pandas, matplotlib, sklearn, seaborn, scikit learn** analysis purpose.
- Extensive knowledge in the areas of **mathematical modeling, statistical analysis, predictive Analytics, machine learning techniques.**
- Proficient working knowledge in managing entire **Data Science project life cycle** and actively involved in all phases including **data collection, data preprocessing, EDA and statistical methods, model building and model validation.**
- Experienced in creating and implementing interactive charts, graphs, and other user interface elements and developed analytical reports for monthly risk management presentation to higher management.
- Passionate about data and data-driven decision making.
- Experienced in creating presentations, dashboards, solving complicated client problems and communicating the precise insights.
- Strong analytical skills and ability to use a variety software such as **Python, R.**
- **Highly creative, innovative, committed, intellectually curious, passionate, business savvy with effective communication and interpersonal skills.**
- **Deployed machine and Deep learning models into Azure using Docker**

TECHNICAL SKILLS

Programming Languages	Python, R Programming, Java, EGL, PHP,C, C++.
Scripting Languages	Python, JavaScript,
Front End development	CSS, HTML, Ajax
Statistical Methods	Descriptive statistics, Inferential Statistics, Hypothesis testing, ANOVA
Databases	SQL Server
Operating Systems	Windows
Machine Learning	CART, Random Forest, Linear Regression, Logistic Regression, K-means, KNN, SVM, Bayes Algorithm, PCA, Artificial Neural Networks, Hierarchical clustering ,Deep learning
Text Analytics	Sentimental Analysis, TFIDF
Tools	Microsoft Azure ML studio, R studio, Anaconda Jupiter Notebook, Tableau

PROFESSIONAL EXPERIENCE

Currently Working as a freelancer

Apr'20 – Till Date

Role: Data Scientist

Client : EXXARO, Centurion

Oct '19 – Dec'19

Role: Senior Data Scientist

The purpose of the project is to identify the uses cases and predictions that can be drawn around the data of different equipment.

In this we have identified multiple uses cases and implemented the Proof of Concept with live data on the health monitoring status of the equipment.

Responsibilities:

- Defining complete project life cycle and defining the process - Architectural advises
- Coming up with the business use cases and Gathering the required data - Business Analysis
- Drawing more insights from the data using charts, graphs and building the machine learning model as proof of concept. -Development
- Present POC to business and getting approval for live project - Customer Centric

Environment : Python, SQL data base, Azure Machine Learning Studio

Deloitte Support Services India private limited

Client : Deloitte Touche Tohmatsu

Jan '19 – Sep'19

Role: Senior Data Scientist

Capital IQ is a data base which contains data of multiple companies related to their cash values, share values, Transactions etc.

Purpose of this project to understand the data and to come up with uses cases where machine learning can be used to use the data in a better way.

Responsibilities:

- Designing complete project life cycle and defining the process
- Driving the team sized 15.
- Worked as a shared resource for multiple Data Science projects
- Coming up with the business use cases and communicating the same with the business
- Gathering the required data and to develop model POC
- Present POC to business and getting approval for live project
- Deploying live projects into production and maintaining the same.

Environment : Python, SQL data base

Larsen and Toubro Infotech

Client : TD Bank, Mount Laurel, NJ

Aug '17 – Dec'18

Role : Project Lead Data Scientist

TD Bank, N.A., is an American national bank holding company specializing in credit cards, home loans, auto loans, banking and savings products.

The purpose of this project is to estimate if a customer would purchase a similar financial product on launch. My team mainly focused on rebuilding model to predict whether customer would take the new product or not, monitoring the model in production, taking action if model performance degrades and working closely with business team to onboard new model.

Responsibilities:

- Communicated and coordinated with other departments to collect business requirement
- Worked on missing value, outlier detection with statistical methodologies using dplyr package.
- Applied dimensionality reduction technique PCA to reduce the dimensionality of given data
- Participated in features engineering such as feature creating, feature scaling
- Visualize the data ggplot2 bar chart, box plot, histogram
- Implemented machine learning model like logistic regression, CART and Random Forest.
- Optimized algorithm with stochastic gradient descent algorithm
- Fine-tuned the algorithm parameter with manual tuning and automated tuning such as Bayesian Optimization
- Validated and select models using k-fold cross validation, confusion matrices and worked on optimizing models for high recall rate.

Environment : Python, SQL data base

Client : Publix

Jun'16-Aug '17

Role : Data Scientist

Publix Super market chain stands as one of largest regional grocery chain. Main goal is to assess customer's buying pattern and target the customers accordingly.

Designated as a Data Scientist, where Key deliverables includes increase and optimize customer experiences supporting management with data required for executive presentations and other business outcomes.

Responsibilities:

- Work closely with Subject Master Experts to identify& define business reporting requirements.
- Responsible for providing reporting, analysis and insightful recommendations to business leaders on key performance metrics.
- Performed data integrity checks, data cleaning, exploratory analysis and feature engineering using R.
- Manipulating and cleaning data using missing value treatment and performed standardization.
- Perform statistical analysis and apply machine learning techniques to the data for identifying potential areas of enhancement in products.
- Performed Exploratory Data Analysis and Data Visualizations using R

Environment : R, SQL

Capstone project: Employee attrition analysis

Problem is to predict the attrition and give the insights from the data about the important factors associated with the attrition. Model design was done using CART, Random forest and Logistic regression.

Sentimental Analysis:

The assignment was to evaluate customer's response towards products and services which was achieved through sentimental analysis. Feedbacks and reviews are used for data modeling using Text blob package (Python).

Client : TravelersSep '14- Aug'15

Role : Project Lead

Travelers is a Business insurance provider which maintains multiple applications for the same. Actively I have migrated 5 applications from JBoss 6 to Jboss 6.3

Responsibilities:

- Making the code changes in application to make it compatible with new server.
- Interacting with architecture team to identify the changes needed in application and finding solutions.
- Helping the other teams in resolving their issues.
- Coordinating with onsite team.

Environment : JBoss6,JBoss6.3,ODM,Java**Client : Unitrax**Jun '10- Aug'14

Role : Developer

Unitrax is the leading comprehensive and flexible investor-record keeping and transfer-agency system. It is specifically designed for Canadian Mutual fund Industry. It maintains all kinds of records such as fund details, investor details, account details and their unit holdings. It caters to master data setup for various products supported by each client.

Responsibilities:

- Interacting with the Business analyst by helping in understanding the existing behavior of the application
- Managed and mentored a group of application developers, assigned responsibilities, elaborated use cases, managed project schedules and module targets.
- Involved in writing Technical design documents based on the given requirements document.

Environment : Enterprise Generation Language, SQL,JSF

EDUCATION

- **MBA: HR** – *Madurai Kamaraj University* August 2010
- **BTech : Bachelor of Technology** – *JNTU* May 2008

AWARDS

- **Pat on the Back Award:** Consecutive winner for two years 2015 and 2016.
- **Certificate of Appreciation** 2014 and 2017,
- **Team award** -2015.

CERTIFICATION

- Certified Scrum Master
- Data Science and AI Certification from IBM