

Diwakar Saravanan

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IT professional with overall **3.10 year** experience and 2+ year experience in developing statistical and machine learning models for large-scale, high-dimensional data using algorithms. Proficient knowledge in statistics, mathematics and analytics. Sound knowledge in the banking domain.

Looking for a job where I can enjoy work, take ownership and utilize 100% of my potential.

Professional Summary

Working as a Software Engineer at Data Software Research Company, Chennai from Oct 2020

- Having ability to apply statistical and data mining techniques to solve challenging business problems by using Regression models, tree based classification and other predictive modeling techniques.
- Having experience in gathering and understanding requirements of clients and other multiple stakeholders (at strategic and tactical levels), followed by translation into functional specifications as well as provisioning of suitable business driven data solutions
- Experience in Statistical Modeling, Data Mining, Data Visualization, and Machine learning using Python.
- Experienced in Data visualization tools like Tableau, Datapine and Create interactive Dashboards for better understanding of the Business and getting various insights out of the data.
- Ability to understand complex problems and to collaborate and explore issues and to negotiate and integrate different viewpoints.
- Experience on algorithms like Decision tree, random forest, gradient boosting and working knowledge on clustering and bagging.
- 2 years of experience in Banking domain
- Experience in Flask and Django framework in python with pandas and numpy.
Experience in handling various csv, data cleaning and data pre-processing

Technical Skills

Programming skills	Python,, Linux Shell scripting, Kafka
Data Analytics skills	Data Cleaning, Data Visualization, Feature Selection, Data preprocessing, NLP
Databases	Redis, Mongo-db, MySql, SQLite
Cloud	AWS [EC2, S3], Digital Ocean[Droplets], Google cloud
Packages used	Flask, JSON, kafka-python, joblib, scikit-learn, pmdarima, statsmodel, matplotlib, pandas, numpy,fb-prophet, redis-python, Django
Tools used	Git, Jira, Microservice framework, Agile Framework, Docker, Tableau, Event driven architecture, Datapine, Sisense

Work Experience

Data Software Research Company – 6 months October 2020

- March 2021

Role: Software Engineer, Business Intelligence

Responsibilities

- Working with large amounts of data, study to have a deep understanding of all Variables to translate the data into understandable format.
- Implementing descriptive statistics and visualization techniques to check the data normality.
- Creating a detailed business analysis, outlining problems, opportunities and solutions for a business
- Creating interactive Dashboards for better understanding the business and to make more sense out of the business data
- Work with python Django framework for creating a Notification system for parcel delivery and tracking
- Work with chatbot development using python NLTK

Fortiate Data Solutions – 11 months Sept 2019 - August 2020

Role: Machine learning Engineer, Python developer

Responsibilities

- Work with large amounts of data, study to have a deep understanding of all Variables to translate the data into understandable format.
- Performed Data cleaning, transformation, validation with the purpose of understanding or making conclusions from the data for decision making purposes.
- Implementing descriptive statistics and visualization techniques to check the data normality.
- Selecting features, building and optimizing classifiers using machine learning techniques
- Implementing Predictive and Estimation Machine Learning Algorithms, KNN, Decision Tree, Random Forest
- Performed Boosting method on predicted model for the improved efficiency of the model.
- Working with kafka as a messaging tool for communicating various microservices.
- Transaction risk fraud analytics by creating nano models for various components of the transaction data elements and finally taking the weighted average of each model's output to get a risk score for a live transaction.

Infosys limited - 2.5 years May 2015 - Oct 2017

Role: Python developer

Responsibilities

- Working with API both creation and usage in python code.
- Using kafka connect for data sinking in AWS S3 and sqlite database.
- Developing robust python code for web application using flask framework.
- Working with Google's goLang for development of rule-engine.
- Using tableau for creating data charts for analytics and to understand the data well.
- Working with csvs using pandas packages in python.

Education

Master's Degree - Master of Business Administration	
Madras University -.	Graduated Apr 2020
Post Graduate Diploma - PG-DBDA Big Data Analytics and Machine learning 73%	
CDAC - Centre for development of advanced computing	
Bachelor's Degree – Electronics & Communication Engineering 73.3%	
RMK Engineering College -	Graduated Apr 2015
Higher Secondary 91%	
Sivaswamy kalalaya Matriculation Higher Secondary School -	Mar 2011
Secondary School 86.4%	
Kalaimagal vidyalaya Matriculation Higher Secondary School -	Apl 2009