Thangasami Sivanu

Objective

To be an exuberant performer in the organization with an eagerness to enhance my knowledge and skills.

Get in touch!

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Skills

PYTHON LIBs:

Numpy, Pandas, Flask,
Scikit-Learn, Keras, Streamlit

Database:

DB2, SQLite, Splunk

Cloud used for Deployment:

Heroku, GCP, Fiserv owned Firstdata Cloud.

Programing Language:

Python, C, COBOL, JCL

Tools Used:

Anaconda, Jupyter Notebook,
PowerBI, Google Colab, Spyder,
SQLite, XPEDITOR,
FileAid

Work Experience

Specialist
FISERV | Jan 2018- Present

- Develop end-to-end integrated applications for operationalizing AI/ML models and Insights
- Develop impactful presentations to convey insights to technical and non-technical audience

Project Lead
WIPRO. | 2014 - 2018

- Provide leadership and mentoring to development teams.
- Able to dive deep into technical solution and troubleshoot difficult problems Requirements

Analyst
Bank of America | 2010 - 2014

- Conducts basic analysis to detect trends, identify issues and gather information to prepare informational reports and recommend changes to management.
- Provide special reports and analysis, as necessary, to support the business needs.

Senior Software Engineer
Infosys | 2007 - 2010

- Collaborate with development teams to produce Optimized Solutions.
- Test and deploy applications and systems;
- Act as a mentor to junior developers in the team.

Education

Madras Institute of Technology
B.E | Aeronautics

2003-2007 Batch.
First Class with Distinction

KEY PROJECTS

Performance Tuning in PSS Dashboard. (GWM)

BANK OF AMERICA

- Product Supervision System (PSS) is a FA & CA monitoring dashboard maintained by Global Wealth Management Team.
- Performance Tuning was done across SQLs used in the dashboard. By creating Aggregate Tables, Introducing Required Index, Databases the performance of the Dashboard was improved.
- It saved $260,000 for GWM team and got appreciation from higher Management.

A Deep Learning Approach to Semantic Data Type Detection

FISERV

- It is developed as part of FISERV Internal Project (GIS - Global Infrastructure System Team).
- Machine learning models coupled with largescale data repositories have demonstrated success across domains, and suggest a promising approach to semantic type detection.
- Our Deep Learning Approach gives good accuracy over Random Forest and Decision Tree Algorithm.

MerchantAID Attrition Detector Development

Developed as Part of Hackathon Competition and Got 2nd Prize.

- Based on Merchant transaction Details retrieved from SPLUNK, MerchantAID application was developed to identify Merchant attrition cases.
- XGBoost algorithm gave good performance score.
- It was developed as part of HackerIT competition conducted internally across FISERV.
- Later the solution got noticed by Higher Management. Production Implementation of same idea is going on with GIS team.

Automation of GBS Transactions Time Series Forecast

FISERV

- GBS team is maintaining North, Omaha, Bypass, and Compass platforms transaction details in a Separate summary Database for Forecasting purposes.
- Our team developed our own Decomposition Model with those time series data and automated the entire process.
- Our Decomposition Model works better than the existing solution and FBProphet Algorithm.
- We have tuned the Model for Covid situation and it gave good result with more than 95% accuracy. Covid adjustment and forecast tuning got good appreciation from GBS NA Leaders.

Market Basket Analysis work for Clover FrontEnd

FISERV

- Clover is FISERV Owned Merchant POS System. Market Basket Analysis Solution was implemented as a frontend option and given to Clover Team.
- Market Basket Analysis specific (APRIORI) Algorithm was used for this project.
- It gives an opportunity to business for Cross-sell and up-sell of Clover Products

Debit Card Risk Cross Validation for StandIn System.

WIPRO

- AMS(Account management services) provides a process for managing a card portfolio to ensure adequate cardholder services and to reduce the risk related to unauthorized and fraudulent activity.
- As part of this project, the Internal Risk score system was developed based on a set of rules.
- ML Model is created and maintained to validate the performance of the newly developed application. Random Forest & Logistic Regression Alogrithm were used for validation.