Nachiket Kakirde Data Science Manager

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Permit: Permanent Residence Permit(C) **Languages:** English, German and Swiss German

Profile

A machine learning practioner with experience in industries including FMCG and Retail Banking and background in computer sciences, management and economics. For last 5+ years focused on delivering business value using machine learning and advanced analytics.



Skills & Interests

Machine Learning
Predictive Modelling
Timeseries Analysis
Risk Modelling
Simulations
Interactive DataViz

Summary

- Manager within Center of Excellence A global team responsible to plan, develop and deploy analytics and Machine Learning based solutions.
- Key responsible to measure and deliver business value through end-to-end data acquition, modelling and visualization from "Idea-to-Product"
- Fascilitate work across functions from Procurement, Manufacturing, IT, Finance and external partners to envision and realize analytics use-cases from the pipeline.
- With strong communication skills, was regularly involved in presentation of analysis findings and recommentations to the senior management and executive team

Experience And Achievements

Data Science Manager

Jan 2015 - Present

- Carlsberg Supply Company AG, Ziegelbrüke, Switzerland
- Machine Learning based demand forecasting Global Scope with Pilot in France.
 Forecast Accuracy improvements between 5%-18% on different forecast granularities.
 Significant reduction of obsoletes stocks by 50% and sporratic errors by 75%
 Engage with consultants and responsible for model development,
- Cost to Deliver and Retailer Analytics Western Europe Reduce the overall cost to deliver by identifying extraordinary orders by minimizing unplanned
 deliveries. Out of stock prediction Leclerc, France and Dixy, Russia Achieve Out of Stock Predictions
 80% forecast accuracy is store level data stock predictions for 2500 stores was made possible
- Smart Brewery Simulations in production and packaging Switzerland Pilot project to estimate a "Golden" sequence in Production which minimizes the changeover time using packages simpy 3.0 and SIMIO. Introduced "What-If" scenarios during production planning. Developed and implemented a "Digital Twin" for the packaging and filling line using python
- Timeseries forecast and weather simulations 'R Shiny' based tool Europeln-house developed tool for 15 markets. Single click forecast functionality introduced. Reduce Bias and improve forecast accuracy compared to currect benchmark
- Ownership and Accountability Owner and accountable for data productis with around the globe usage.

Research Assistant

Chair of Entrepreneurship ETH, Zürich Switzerland

• Involved topic modelling based research through data collection using scrapping techniques and modelling. Visualize graph models for publication purposes.

Support research in business plan models with extensive literature review and creating a framework to analyse the findings.

Sr. Systems Analyst

Chembra Money Bank, Zürich, Switzerland

- Technical owner of private loan application origination system and credit card servicing systems. Responsible for accurate credit scoring of loan applications based on real time loan request. Usability data analytics to improve system performance and latency.
- Change Manager Act as a single point of contact between the business and development team during change requirement gathering, UAT and release management. Representing the development team in CAB Meetings.

Education

- MASTER OF **ADVANCED STUDIES** IN MANAGEMENT, TECHNOLOGY AND ECONOMICS Master Thesis in Corporate Strategy, 2015 ETH, Zürich
- **MASTERS IN COMPUTER SCIENCES** Master Thesis in Algorithm Design, 2008 **University of Pune**
- BACHELOR IN COMPUTER SCIENCES Master Thesis in Machine Learning, 2006 **University of Pune**

Technical Expertise

Programming:

Python - 3.7 R - 3.6.3

Apache Spark - 2.4

Java 1.8

Simulation tools:

SIMIO •

simpy v3.0

ERP:

SAP ECC

SAP BI and SAP APO

Cloud Plaform:

Microsoft Azure Cloud Amazon Web Services

ML Libraries:

scikit-learn

pytorch |

xgboost, lightgbm statsmodels •

tensorflow

Databases:

MSSOL •

Azure Data Lake v2.0

Mango DB

SQLlite

IDE:

pyCharm •

Atom

Jupyper Notebooks

Databricks

Certifications

SAFe Certified Product Manager/ Product Owner, 2020

Sep 2013 - Dec 2014

Jul 2011 - Jul 2013

APICS - Certified Production and **Inventory Planning, 2016**

Visualization Tools:

PowerBl Pro

Tableau •

D3.js

ggplot •

matplotlib

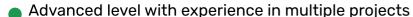
seaborn •

Source Version

Control:

git and gitlab

github



- Good Hands-on experience during a project
- Know how and used privately

