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 - EuropeIn-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*   **Sep 2013 - Dec 2014**

- 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*   **Jul 2011 - Jul 2013**

- **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

Certifications

- **SAFe Certified Product Manager/ Product Owner**, 2020

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

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:
MSSQL 🟢
Azure Data Lake v2.0 🟢
Mango DB ⚪
SQLlite 🟢

IDE:
pyCharm 🟢
Atom 🟢
Jupyper Notebooks 🟢
Databricks 🟢

Visualization Tools:
PowerBI Pro 🟢
Tableau 🟢
D3.js 🟠
ggplot 🟠
matplotlib 🟢
seaborn 🟢

Source Version Control:
git and gitlab 🟢
github 🟢

🟢 Advanced level with experience in multiple projects
🟠 Good Hands-on experience during a project
⚪ Know how and used privately