

SWAYONOK KUNDU

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SUMMARY

Actively seeking out for Summer 2022 internships in Data Science domain. 7.6 years of industry experience in Analytics, predictive modelling, and visualizations, manifesting insightful stories from business problems. Hands-on experience in end-to-end projects which necessitates statistical modeling algorithms, supervised and unsupervised machine learning models in Python and R across domains of finance, retail, healthcare, marketing, logistic and supply chain.

SKILLS & TOOLS

Data Analysis and Statistical Model Building: Python(sklearn, keras, pandas), R, Alteryx, Advanced MS Excel

Methodologies: Regression, Classification, Clustering, Machine learning, Time series, NLP

Business Intelligence Tools: Tableau, Power BI

Data Management: MSSQL, SQLite

EDUCATION

Master of Science, Data Science, University at Buffalo, Graduating Dec 2022

Master of Science, Statistics, University of Kalyani, India, August 2013

Bachelor of Science, Statistics, University of Calcutta, India, June 2011

WORK EXPERIENCE

Data Scientist, Lenovo: November 2020 – August 2021

- Spearheaded a project involving demand forecasting for volume of service requests for machines under base warranty, optimized resource and cut down service cost by 44%.
- Built KPIs and created dashboards for failure rate prediction and created alert system.

Lead, Fidelity Investments: September 2019 – November 2020

- Managed a project of forecasting for demand hours and volumes of resources attending clients for Defined benefit plan which helped the managers to allocate their respective team resource accordingly. Resource planning helped to brought down the hiring cost by 50%.
- Transmuted actionable insights to stakeholders by creating dashboards in Tableau

Consultant, Accenture: May 2017 – September 2019

- Led a project in workforce labor forecasting and Optimization to forecast hotel traffic for a hospitality management company using traditional Time- Series and Machine-learning models, predicting human traffic.
- Gathered internal and external predictor variables, performed all the EDA, scraped weather and events data.
- Built multivariate Time-Series models with Arima-x, UCM and Ensemble methods of all bagging, boosting models to achieve an accuracy of 98% at highest level and granular level accuracy of 94% on average.
- Worked with a retail giant of South-East Asia in a demand planning project to optimize the inventory and stock outs by sales prediction.

Senior Data Analyst, Cognizant: July 2016 – May 2017

- Built a credit risk model to predict probability of loan applicants who will default on their loans using Logistic regression to facilitate client to make decisive actions based on the model, lowering the bad loans by 20%.

Data Analyst, Nielsen: April 2015 – July 2016

- Worked in a demand forecasting project for volume of hypermarkets for fast moving consumer goods at diverse levels of SKU and automate processes in R for all SKUs and optimizing the inventory management to reduce the wastage cost by 10% on average per SKU.

Statistician, SPSS South Asia: January 2014 – April 2015

- Conducted presentations and walkthrough of different statistical algorithms through IBM SPSS Statistics and SPSS Modeler in diverse sectors of corporate and academic landscapes.

AWARDS & PARTICIPATIONS

- Automated an end-to-end forecasting process for a retail client from data preparation to report generation reflecting the predictive power of the model with real time in Python and Power BI.
- Participated in a hackathon for Stock movement Prediction leveraging news headlines by applying NLP and passing it to a machine learning classifier model as predictors. and predict movements of stocks scraping new company.
- Mentored and guided students of Data-Analytics domain as a part time educator in an online learning platform

INTERESTS

- Music, Guitarist and Vocalist in a performing arts group. Public speaking in Toastmasters.