Masud Pervez
Data Scientist | Statistician

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Summary

Experienced and forward-thinking Data Scientist with a track record spanning over six years, paired with a robust academic grounding in Statistics. Highly skilled in leveraging production-level machine learning models to enhance efficiency and profitability across diverse business contexts. Proficient in hypothesis testing, advanced statistics, machine learning, and predictive modeling, I uncover insights for process improvement. With a proven history of accomplishments, I'm poised to contribute significantly to organizations leveraging data strategically.

Work Experience

Data Scientist

Skandinaviska Enskilda Banken (SEB) | Stockholm, Sweden

June 2021 - Present

- Analyzed various datasets to aid stakeholders in understanding diverse forms of transactional fraud occurring within the Bank.
- Designed and implemented real time machine learning system through APIs that predict fraudulent transactions with a 70% recall while keeping false positive rate in control.
- Collaborated with cross-functional teams to deploy machine learning models in a on-premises cloud environment.
- Developed dashboards and visualizations to communicate insights and results to stakeholders.
- Develop data pipelines to preprocess data on big data platform (Hadoop).
- Leading and planning alongside other data scientists and engineers while deploying Machine Learning systems into production.

Data Scientist

Bonnier News | Stockholm, Sweden

Sep 2018 - May 2021

- Developed and implemented churn model to predict customer behavior and reduce customer attrition.
- Developed a customer lifetime value model to improve customer retention and maximize profits through campaigns.
- Contributed to a 16% increase in overall company profitability through the implementation of "**Newsvendor**" model while reducing excessive printing.
- Worked with cross-functional teams to deploy machine learning models in the cloud (Google Cloud).
- Providing key insights for more than 40 products and campaigns, including A/B testing, customer retention through dashboards for stakeholders that improved decision-making processes drastically.
- Develop personalized product recommendation system to predict next buying item (magazine) that improved profitability for the business.

Skills

Data Verification and Maintenance

Predictive Modeling

ML Product Development

Strong Analytical Skills

Leadership Skills

Strong Communication

Key Achievements

- **Designed and Implemented Machine Learning System** that predicted fraudulent and non-fraudulent transactions in real-time with more than 70% recall.

- **Optimized Profits by Implementing the Newsvendor Model in Distribution** that resulted in 16% profit growth for the company.

Academic History

M.Sc. in Mathematical Statistics

Division of Mathematical statistics, Stockholm University, Sweden
2008 - 2015

M.Sc. in Applied Statistics

Institute of Statistical Research and Training (I.S.R.T.), University of Dhaka. Bangladesh
2004 - 2006

B.Sc. in Applied Statistics

Institute of Statistical Research and Training (I.S.R.T.), University of Dhaka. Bangladesh
1998 - 2004

Work Experience

Data Scientist | Statistician

Tobii Pro | Stockholm, Sweden

May 2017 - Sep 2018

- Preprocessed and analyzed eye tracking survey data for advanced analytics.
- Used to apply various statistical methods such as principal component analysis, factor analysis as well as basic machine learning algorithms: decision tree, logistic regression, to find correlation and pattern from data.
- Develop eye tracking index, combining various eye tracking metrices.
- Developed presentations and visualizations to communicate insights and results to stakeholders.
- Worked in an agile, cross functional environment.

Planner and Data Integrity Analyst

Marks and Spencer | Dhaka, Bangladesh

Oct 2007 - Aug 2008

- Analyzed supply chain data in various business aspects for the company.
- Prepared periodic (daily, monthly, yearly) business reports and KPI's based on shipment data.
- Investigated supplier's and freight forwarder's performance on a regular basis.
- Arranged training in order to improve supplier's performances
- Planned shipment of the container including goods, moving from origin to destination.

Master's degree Project (Statistician)

Clinical Cancer Epidemiology, Karolinska Institutet | Stockholm, Sweden

Sep 2012 - Dec 2013

- Analyzed survey questionnaire reported by gynecological cancer survivors or patients who had experienced with cancer in their lives and are treated with radiation therapy and surgery treatments.
- Study to identify whether the measured questions interpret the same symptom based on the given answers or they describe in different ways.
- Compare different hierarchical clustering results using a cluster comparison method.
- Performed factor analysis to extract the underlying factors associated with

Technical Skills

- Python
- Scala
- R
- Spark
- Hadoop
- HDFS
- Deep Learning
- NLP
- SQL
- Tensorflow
- Pytorch
- Scikit-Learn
- Flask
- Google Cloud
- Openshift
- Web Scraping
- Git
- Airflow
- CI/CD

Interests

- Reading books
- watching movies
- Foods
- Traveling
- playing games

Reference

Reference can be provided upon request.

I hereby declare that the above information given herewith is true, complete, correct and up to date to the best of my knowledge and belief.

Masud Pervez