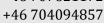
# Masud Pervez

# 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
- 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

# 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**

# **Technical Skills**

- Python
- Scala
- R

- Spark
- Hadoop
- HDFS
- Deep LearningNLP
- SQL
- Tensorflow
- Pytorch
- Scikit-Learn
- Flask
- Google Cloud Openshift
- Web Scraping Git
- Airflow
- CI/CD

# **Interests**

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