

## DIPTENDRA NATH BAGCHI

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### EDUCATION

**University of Illinois at Urbana-Champaign**

*Master of Science in Statistics*

Champaign, IL, USA

December 2020

**Madras School of Economics**

*Master of Science in Economics*

Chennai, India

July 2015

**Hindu College, University of Delhi**

*Bachelor of Science in Physics*

Delhi, India

July 2012

### WORK EXPERIENCE

**Anheuser-Busch InBev**

*Data Scientist*

Bengaluru, India

August 2018 – July 2019

- Led a team of two to develop an ML-based forecasting product for 20 key markets leading to an annual savings of \$ 5M
- Delivered growth forecast for two key markets by analyzing industry trends, competitor's strategies and economic policies
- Saved 20 hours a month by implementing process improvements like automating data pipeline and writing reusable codes
- Created and managed a centralized data-lake of 30 markets impacting 4 teams with a total savings of \$ 75K
- Negotiated a data contract with a global information provider that resulted in savings of \$ 25K to the analytics team

**Target Accelerator, Target Corporation**

*Senior Consultant*

Bengaluru, India

December 2017 – July 2018

- Co-Led Target Accelerator Program – a 16-week program, for start-ups to build and test transformative solutions at Target
- Assisted in selecting 6 out of 200 deep-tech start-ups across 5 cities in India for the 6<sup>th</sup> cohort with a budget of \$ 1M
- Liaised with executives at Target and start-up to convert business questions into well-defined technological problems
- Collaborated with the VP-Strategy, Target to write a white paper on the start-up ecosystem in India

**Target Corporation**

*Analyst*

Bengaluru, India

July 2015 – November 2017

- Detected Non-On-Shelf-Availability using analytics, increasing store efficiency by 30% resulting in an annual uplift of \$ 6M
- Assisted in designing the promotion optimization product, impacting ~1800 stores and \$ 40M in annual savings
- Developed SKU groupings across ~1M products by analyzing consumer behaviors, product attributes and sales history

### ORGANIZATION

**Illinois Business Consulting**

*Consultant*

Champaign, IL, USA

August 2019 - Present

- Conducted human capital consulting by crafting a unique promotion strategy for a leading insurance firm in the US
- Generated insights for the short and long term for the insurance sector using industry, technological & competitor analysis

### LEADERSHIP

- Organized a roadshow across 5 cities in India to meet deep-tech start-ups solving complex problems in the retail sector
- Presented use-cases and problem statements in retail (Online and Offline) to ~ 1000 entrepreneurs in India
- Led over 10 technical workshops in the area of business statistics, machine learning and advanced analytics

### HONORS & AWARDS

- **Be Curious** annual award for always learning and sharing the knowledge with others in Target Corporation
- 1 among 23 analysts, to receive mid-term performance bonus twice in 2016 and 2017
- Selected among top 20 out of 200 team members for a classroom training by Dr. James G. Shanahan (UC Berkeley) at Target

### SKILLS

Techniques:	Linear Regression, Logistic Regression, GLM, Regularization, neural network, decision tree, random forest, gradient boosting, K-NN, K-means, hierarchical clustering, Gaussian Mixture Models, Time Series and Instrumental variables
Programming / Scripting:	R, Python, Shell scripting, C++, SQL
Cloud / Big Data:	Apache Hadoop, Apache Spark, Databricks, Microsoft Azure and Amazon Web Services
Databases:	Teradata, Hive, Spark Table, MySQL
Certifications	Neural Networks & Deep Learning, Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization, Structuring Machine Learning Projects, Convolutional Neural Networks from deeplearning.ai on Coursera, Designing Better Slides on LinkedIn