

# INDRANEIL BARDHAN | RESUME

Data Scientist

**Status:** M.S. Information Science conc. Big Data Analytics, Data Scientist at Enterprise AI startup

**Fields:** Data Science Consulting, Machine Learning Algorithms R&D

**Programming:** Python, R, SQL, Scala, go

**Techs:** Apache Hadoop/Spark, Google Cloud Platform, Tensorflow/Keras, Hive/Impala

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## Summary

Data science generalist with 3+ years' experience in developing leading edge machine learning models on a wide range of big data platforms and unlocking potential hidden in large scale data systems. Excellent written and oral communication skills; enjoy working cross-functionally with stakeholders to solve complex problems. Eager to bring expertise and fresh ideas to growing organization in challenging new role.

## Experience

**Data Scientist** - r4 Technologies - Ridgefield, CT

April 2017-present

- Identified stoppage trigger patterns for CPG manufacturing company using survival analysis, reducing unplanned stoppages 35%.
- Designed and implemented discovery and product recommendations workflow to feed email promotions for an online sports retailer, doubling the response rate.
- Scaled a geospatial clustering model for a credit card provider using a custom smart grid algorithm increasing coverage area 80%.
- Forecasted demand to help develop quarterly roadmaps to drive asset placement for a lumber manufacturer, leading to an overall lift of \$3 million.

**Research Associate** - University of Pittsburgh - Pittsburgh, PA

Sep - Dec 2016

- Gathered and curated research data to create representative visualizations highlighting findings for publications.
- Identified relationships between food insecurity, depression and diabetes using statistical tests and analyses.
- Submitted findings to BMC Public Health in research paper, "Variations in the association between food insecurity, depression, and diabetes among older adults".

**Statistical Programmer and Analyst Intern** - Genentech - South San Francisco, CA

June - Aug 2016

- Designed and implemented scalable applications for analysis on a custom experimental big data environment.
- Developed A/B tests to compare custom experimental hadoop ecosystem with the legacy analysis frameworks.
- Presented findings to the Statistical Analysis teams in South San Francisco and Basel.

## Education

**M.S. in Information Science** - University of Pittsburgh

Aug 2015 - Dec 2016

- Concentration in Big Data Analytics with focus on Cloud Computing, Machine Learning, Advanced Databases, Information Visualization, Statistics and Algorithm Design
- GPA: 3.458/4.0

**B. Engg in Computer Engineering** - University of Pune

2011 - 2015

- Focus on Data Structures, Algorithms, Software Development, Object-Oriented Design, Artificial Intelligence and Databases
- GPA: First Class

## Volunteer

**Social Data Analyst** - VLPWPA

Sep - Dec 2015

**Data Analyst** - South Side Community Council

Feb - May 2016