

# Aditya Sharma

## Associate Data Scientist



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### 👤 PROFILE SUMMARY

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- I have total 8 months of Professional Work Experience in the domain of Data Science and Political Consulting.
- Hands-on knowledge of basic and advanced functions in PowerBI, Tableau, Python, Pandas, PySpark and SQL.
- I have 8+ certificates from Coursera and LinkedIn Learning in Business Intelligence, Data Science and Machine Learning.
- For other experiences mentioned in this resume, I do not have experience letter from employer.

### 📁 PROFESSIONAL EXPERIENCE

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#### Campaign Operations Associate

Nov 2023 – Feb 2024

Indian Political Action Committee 🌐

Kolkata, India

- Contributed in designing Electoral Campaigns for the present ruling political party in West Bengal (AITC) to maximize their win in General Elections 2024.
- Analyzed and prepared presentation for Jharkhand government to convince them to partner with the company which has a clear intention to help Jharkhand government (JMM) win the upcoming elections in 2024.

#### Associate Data Scientist

May 2021 – Feb 2022

Sigmoid 🌐

Bengaluru, India

- I worked on the creation of intermediate tables and views as datasets for further downstream analysis while working with a client in Health sector, and dashboard generation on PowerBI while working with a client in Life Insurance domain.
- I have a good hands-on experience working with SQL (Amazon Redshift, MySQL, MS-SQL Server, PostgreSQL), Python and PySpark programming.

- Expert knowledge of Front End Dashboard Generation using Tableau and PowerBI (Power BI Desktop, Power Query Editor, M language, Connecting with different data sources etc.).

## Project Manager

Nov 2018 – Nov 2019

Murphy Tech Solutions

Karnal, India

- I managed the entire operations for the Property House Tax Survey conducted in the state of Haryana. This project is funded by Directorate of Urban Local Bodies (dULB) Panchkula. For the collection and maintenance of house tax, municipal corporations decided to carry out survey using latest technologies involving drones, satellite images and an android application. The survey forms are first filled out by surveyors from house owners. The data is then analyzed by the back panel team and then subsequently submitted to dULB servers.
- I managed more than 300 surveyors and 10 back panelists deployed for conducting app based survey in various cities across Haryana state. Streamlined the entire survey workflow by coordinating with the developer team for app updates, creating new compensation rules for ensuring high productivity, and reports for monitoring the back panel team performance (for error reduction).

## Business Analyst

Aug 2015 – Jul 2016

Moksha Productions [↗](#)

New Delhi, India

- I worked on improving the overall business performance of a relatively new company. My role included cost optimization, process improvement in work flow, forecasting and capacity planning, TAT optimization and KPI management.
- I extensively used SQL and Excel to extract insights from historical data. I performed ARIMA time series modeling for sales prediction. I used new performance metrics for a more accurate analysis of individual teams' productivity and quality of work.

## Research Associate

Jun 2014 – May 2015

Max Plank Institute of Molecular Plant Physiology [↗](#)

Potsdam, Germany

- I worked on finding variation within a local Arabidopsis population cluster using genomics, phenomics and metabolomics.
- I analyzed rad sequenced Illumina raw reads using pipelines like Shore, CLC Genomics, GATK, Sam tools.
- Test statistics like Fischer's test, fixation index, Tajima's D were calculated to check the differences in the estimates of allele frequencies among the plant populations.

## SKILLS

### Python

*Numpy, Pandas, Scipy, Sklearn*

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### SQL

*MySQL, T-SQL, Amazon Redshift, PostgreSQL*

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### PySpark

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### Power BI

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### Tableau

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### MS Excel

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## SELF TAUGHT COURSES

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Programming for Everybody (Getting Started with Python) [↗](#) | Python Data Structures [↗](#) |  
Using Databases with Python [↗](#) | SQL for Data Science [↗](#) |  
Inferential Statistical Analysis with Python [↗](#) | Fitting Statistical Models to Data with Python [↗](#) |  
Data Visualization and Communication with Tableau [↗](#) |  
Machine Learning Foundations: A Case Study Approach [↗](#) | Machine Learning: Regression [↗](#) |  
Machine Learning: Classification [↗](#) | Crash Course on Python [↗](#) |  
Algorithmic Trading and Quantitative Analysis Using Python [↗](#)

## PUBLICATIONS

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**Development of a Time-To-Detect Growth Model for head treated *Bacillus cereus* spores** [↗](#) 28 Apr 2013

Elsevier: International Journal of Food Microbiology

The paper describes a goodness of fit model with the dependent variable being lag time of *Bacillus cereus* spores. These spores are formed as a protection against heat treatment before packaging in refrigerated food products of extended durability (REPFED). With five variables and lag spore time as the variable to be predicted, a regression model was developed. The estimates of ten parameters was performed using Gibbs sampling, one type of mcmc algorithm. Finally a threshold value of 2 months or below was taken as the time for the spores to spoil the product. The result of this study was integrated into food safety rules of food companies in France.

## EDUCATION

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**Integrated Dual Degree (B.Tech+M.Tech)** 2009 – 2014  
Indian Institute Of Technology Kharagpur [↗](#) Kharagpur, India  
Grade: 7.72 / 10

**Higher Secondary Certificate, Maharashtra Board** 2007 – 2009  
C.P. and Berar Hish School and Junior College [↗](#) Nagpur, India  
Grade: 82.3 %

**Secondary Certificate, Central Board of Secondary Education** 2007  
Bishop Januarius Memorial Carmel Academy [↗](#) Chandrapur, India  
Grade: 93.2 %