Aditya Sharma *Data Scientist*

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- ○ https://github.com/adi-kgp

🪪 Profile Summary

- **I have total 4 years of Professional Work Experience.** 3 years of Experience in the domain of Data Science, Mathematical Modeling and Business Intelligence and 1 year Experience in Project Management.

- Hands-on knowledge of basic and advanced functions in PowerBI, Tableau, Python, Pandas, PySpark and SQL.

- Efficient in doing root cause analysis and carrying out various statistical tests like Chi-Square test, Student's t-test, Tajima's D and Fisher's Exact test.

- Co-published a research paper in the field of Bayesian Mathematical Modelling in an International Journal.

- I have 12+ certificates from Coursera and LinkedIn Learning in Business Intelligence, Data Science and Machine Learning.

💼 Professional Experience

Associate Data Scientist
Sigmoid ⬈

May 2021 – Feb 2022
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
Murphy Tech Solutions

Nov 2018 – Nov 2019
Karnal, India

- I managed the entire operations for the Property House Tax Survey conducted in the state of Haryana. 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.

- 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 and reports for monitoring the back panel team performance.

Business Analyst
Moksha Productions ⌝

Aug 2015 – Jul 2016
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.

Reseach Associate
Max Plank Institute of Molecular Plant Physiology ⌝

Jun 2014 – May 2015
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

SQL ● ● ● ● ○
MySQL, T-SQL, Amazon Redshift, PostgresSQL

PySpark ● ● ● ● ○

Power BI ● ● ● ○ ○

Tableau ● ● ● ○ ○

MS Excel ● ● ● ● ○

MS PowerPoint ● ● ● ○ ○

📖 Self Taught Courses

Programming for Everybody (Getting Started with Python) ⧉ *(Python Syntax And Semantics, Basic Programming Language, Computer Programming, Python Programming)*,

Python Data Structures ⧉ *(Python Syntax And Semantics, Data Structure, Tuple, Python Programming)*,

Using Databases with Python ⧉ *(Python Programming, Database (DBMS), Sqlite, SQL)*,

SQL for Data Science ⧉ *(Data Science, Data Analysis, Sqlite, SQL)*,

Inferential Statistical Analysis with Python ⧉ *(Confidence Interval, Python Programming, Statistical Inference, Statistical Hypothesis Testing)*,

Fitting Statistical Models to Data with Python ⧉ *(Bayesian Statistics, Python Programming, Statistical Model, statistical regression)*,

Data Visualization and Communication with Tableau ⧉ *(Data Analysis, Tableau Software, Data Visualization (DataViz), Visualization (Computer Graphics))*,

Machine Learning Foundations: A Case Study Approach ⧉ *(Python Programming, Machine Learning Concepts, Machine Learning, Deep Learning)*,

Machine Learning: Regression ⧉ *(Linear Regression, Ridge Regression, Lasso (Statistics), Regression Analysis)*,

Machine Learning: Classification ⧉ *(Logistic Regression, Statistical Classification, Classification Algorithms, Decision Tree)*

🖳 Publications

Development of a Time-To-Detect Growth Model for head treated Bacillus cereus spores ⧉	28 Apr 2013

Elsevier: International Journal of Food Microbiology

🎓 Education

Integrated Dual Degree (B.Tech+M.Tech)	2009 – 2014
Indian Institute Of Technology Kharagpur ⧉	Kharagpur, India

  CGPA: 7.72 / 10

Higher Secondary Certificate, Maharashtra Board	2007 – 2009
C.P. and Berar High School and Junior College ⧉	Nagpur, India

  Percentage: 82.33 %

Secondary Certificate, Central Board of Secondary Education	2007
Bishop Januarius Memorial Carmel Academy ⧉	Chandrapur, India

  Percentage: 93.2 %