

Mruga Adhvaryu

Senior Data Scientist



Dexterous Senior Data Scientist with M. Phil in Statistics and 7+ years of hands-on experience leveraging Machine learning Models, Algorithms, Statistical Modeling, and Data Analysis to uncover insights of data problems and drives in business growth significantly. Involved in Data Science open source community and passionate about Deep Reinforcement Learning.

Contact

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Skills

Data Science	●●●●●●
Data Analysis	●●●●○
Big Data	●●●○○
Python	●●●○○
R	●●●○○
SQL	●●●○○
Machine Learning	●●●●○
Deep Learning	●●●○○

Languages

English	●●●●●●
German	●●●○○
French	●●○○○
Spanish	●●○○○

Work History

2019-12 -
Current

Senior Data Scientist/Data Science Consultant

Management Consultants, Ahmedabad, India

- Spearheading Data Analytics Model for scoring, pattern recognition and Recommendation Engines.
- Algorithms applied are: Naive-Bayes, Logistic Regression, Decision Tree - Random Forest, Support Vector Machine, k-NN, k-means, Dimensionality Reduction and Gradient Boosting.
- Packages Libraries applied are : Numpy, Scipy, Pandas, Scikit-learn, Plotly, Seaborn, Matplotlib, Tensorflow, Keras, and Pytorch.
- Formulating two more Projects: a.) Human Activity Recognition, b.) Minimal Blockchain for Blockchain Platform.
- Amplified the cost of the Company by Data Analytics Model by 15-25%.
- Streamlining the Data Solution Architect by fostering the team with State-of-Art Model on end-to-end Analytics Project.
- Auditing Patents writing and Code version controls.

2016-11 -
2019-10

Data Scientist

Online PSB Loans (Formerly Known As CapitaWorld), Ahmedabad, India

- Charted to resolve business problems, improve operations by providing exceptional agile, collaborative, and innovative ways to bring company out of loss by 27%.
- Orchestrated Research & Development and Analytics team, for below mentioned projects:
- Non-Performing Assets Model, won 2nd Prize as Best Innovative Banking Technology Award, 2017.
- Algorithmic Trading Model, forging 3 clients to the company and helping improve turnover by 20%.
- Natural Language Processing Model, fielded specially to attract Customers, Banks and identifying target markets.
- Agricultural Indices, devised algorithms for precision agriculture and crop yielding prediction.

2015-01 -
2016-10

Management Information Systems Coordinator

Ministry Of Women And Child Development, Government of India, Gandhinagar, India

- Revamped expert technical insights in monitoring & evaluation of various Women & Child Development Program, Government of India (GoI) programs with AutoML, Statistical Techniques, and Data Modeling.
- Facilitated and mentored the team of 42 members for data co-ordination and advanced analytics.
- Analyzed physical & financial progress report for Government of India (GoI), and UNICEF (India) nutrition reports using SAS & SAP.
- Data Visualization with the help of Tableau, D3JS, and Neo4js for having inputs of preventing malnutrition in State/ Country.
- Delivered software demonstrations for prospects and arranged focus SQL classes to evaluate and support ongoing system development.

2013-04 -
2014-12

Data Manager

Ministry Of Health And Family Welfare, Government of India, Gandhinagar, India

- Extracted, transformed, and loaded data utilizing Base SAS and SAS ETL Studio.
- Designed, coded and implemented SAS code for analytic studies to fulfill internal and external functions of Management Information System (MIS) unit and portal of Mother Child Tracking System (MCTS), Health Management Information System (HMIS).
- Completed ad-hoc projects relating to data investigations and depicted with Tableau Dashboard.
- Analyzed physical & financial progress report for Ministry of Health & Family Good Welfare, Government of India (GoI), WHO (India), and UNICEF (India) health reports & recommended measures for improving programme

performance.



Education

2012-07 -
2013-03

M.Phil: Statistics

School Of Science, Gujarat University - India

- Graduated with magna cum laude
- GPA: 7.8/10
- Majored in Operations Research.
- Dissertation: "A Study of Operations research for Management"

2007-08 -
2010-06

Bachelor of Science: Statistics

St. Xavier's College - India

- Graduated summa cum laude.
- GPA: 7.6/10
- Majored in Statistics.
- Minored in Mathematics Specialization in Computer Programming & Mathematical Applications Career Oriented Program in Computer Hardware & Software Maintenance, Foreign Trade Management and Research Methodology.
- Honoree of 2 Gold Medals, for achieving and scoring Highest Marks as well as Ranking First in University.

2010-07 -
2012-05

Master of Science: Mathematical And Applied Statistics

School Of Science, Gujarat University - India

- Graduated summa cum laude
- GPA: 8.15/10
- Majored in Mathematical and Applied Statistics.
- Minored in Applied Statistics Coursework: Time Series, Econometrics, Industrial Statistics, Bio Statistics, Testing of Hypothesis, Design of Experiments, Multivariate Analysis, Data Structures & Management, Reliability & Bayes Estimation, Distribution Theory, Mathematical Programming, Computer Programming, Matrix Algebra, Probability, Estimation Theory, Sampling Theory.
- Honoured with 5 Gold Medals, for outstanding performance and ranking topmost by University.



Voluntary Services

- Upskill less privileged students with Statistics and Data Science knowledge. (2017 - till date)
- Instructing girls for better health and empowerment with American Women Corner, by conducting Marathons and Yoga Sessions. (2011 - till date)
- Protecting The Mother Earth, by planting tree on nearby areas and forming organic farming small groups. Plantation of nearly 2000 saplings has been done. (2007 - till date)



Certifications

2020-06
2020-07
2020-05
2020-08

Tableau Certified Data Scientist
IBM Certified Blockchain Essentials and Foundation Developer
AWS Solutions Architect Associate
Google Tensorflow (Exam Scheduled)