

# Atul Sanjay

DATA SCIENTIST

Bowling Green, OH

☎ (419).378.2103 | ✉ atulsanjay1@gmail.com | 🏠 atulsanjay.me | 📷 atulsanjay | 🌐 atulsanjay

*MSc in Applied Statistics with 4+ years of IT experience as data quality analyst. Possess experience in diverse domains and proficient in cleaning and transforming data to provide data-driven recommendations, visualizations and conducting statistical analysis to identify performance patterns*

## Skills

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### DATA SCIENCE

- Machine Learning, Data analytics, Statistical Analysis, Data mining, Predictive Modeling, Data visualization, Database Management, Natural language processing, Big Data, A/B testing, Forecasting

### LANGUAGES

- Python, R, SQL

### FRAMEWORKS

- Matplotlib, pandas, scikit-learn, NumPy, seaborn, NLTK, Tidyverse, Git

### ALGORITHMS

- Decision trees, multivariate and logistic regression, kNN, Clustering-K means, Random Forest, Naïve Bayes, Support Vector Machine, Ensembling, Bagging & Boosting, Gradient Descent, XGBoost, Random forest, RNN, CNN, LSTM, decision optimization

## Experience

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### Bowling Green State University

Bowling Green, OH

GRADUATE RESEARCH AND TEACHING ASSISTANT

Jan 2019– Dec 2020

- Assisted in market research and exploratory data analysis for airline industry using SPSS and R statistical packages.
- Performed data imputation using KNN, reduced the number of dimensions using PCA and applied tree-based classification methods.
- Teaching assistant for courses - Business Statistics using R; Predictive Analytics; Operation Research.

### Capgemini Consulting

Mumbai, India

CONSULTANT, DATA QUALITY ANALYST

Dec 2014 – Dec 2018

- Developed and maintained Python based testing frameworks, User acceptance tests (UAT) for enterprise level applications in Agile methodology-based software development life cycle.
- Created SQL queries over large datasets to conduct ad-hoc analysis customers to identify, analyze, and interpret trends of customer traverse in applications.
- Wrangled unstructured data obtained from different 3rd party data sources for analytics and modeling using Python and SQL and ingested it to the in-house database.
- Developed and rolled out interactive Dashboards for stakeholders and business to compare key metrics indicators depicting customer behavior towards various services offered.
- Sentiment analysis and A/B testing for data validation to identify the most profitable segments.

## Education

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### Bowling Green State University

Bowling Green, OH

MS, APPLIED STATISTICS

2019 - 2020

- Specialization in business analytics with focus on data mining and machine learning

### Visvesvaraya Technological University

Bengaluru, India

B.E, MECHANICAL ENGINEERING

2010 - 2014