DATA SCIENTIST

Professional Summary

Highly competent data scientist with 4+ years of experience in handling big data and developing a wide range of innovative applications for providing impactful insights and tailored solutions to diverse business problems. Proficient with state-of-the-art data mining and data processing algorithms and building rigorous statistical and predictive models using scripting languages.

Skills

- Statistical analysis
- Data Mining
- Machine learning
- Big Data
- Statistical modelling
- Predictive modelling
- Data Analysis and Visualization
- Project coordination
- Testing procedures and modules
- Programming Languages: R, Python, C, C++, SQL, Unix/Linux shell, Minitab, WinBUGS, MATLAB, Javascript, Core JAVA, HTML, Fortran 95, Objective C
- Tools: Domino Datalab, RStudio, Jupyter, BigQuery, AWS, Spotfire, Bitbucket, GitHub, DataRobot, Emacs, QGIS, Eclipse

- Art, Workflow
- Automation
- Automation tools
- C
- C++
- Data Analysis
- Data Mining
- Eclipse
- Fortran
- HTML
- JAVA
- Javascript
- Leadership
- Linux
- Domino
- Market Development
- MATLAB
- Minitab
- Enterprise
- Platinum
- Programming
- Project coordination
- Protocols
- Python
- QA
- Shell
- SQL
- Statistical analysis
- Unix

Work History

Data Scientist , 07/2019 to Current
Leidos Holdings Inc. â€" Fremont , CA

- Designed automation tools for scaled analytical capabilities across business domains in market development, providing analytics and visualization to generate tailored solutions in Crop Protection.
- Workflow implemented data QA/QC, response based statistical modelling and analysis, customized report generation and visualization.
- Predictive Modelling: Designed machine learning model for predicting precise herbicide formulation using various agronomic and field attributes.
- Provided comprehensive statistical analysis leading to recommendations for addressing complex business problems.
- Applied state-of-the-art analytical methods to evaluate factors impacting growth and profitability across product and service offerings.
- Awards: Received Top Performance Award in 2019 from leadership for spearheading trial analysis automation in Europe.
- Received Silver Pinnacle Award, Platinum award, Gold award among several other recognitions in 2020 from business stakeholders and leadership for performing above and beyond.

Bayer , 04/2018 to 07/2019
Bickford Senior Living â€" Worthington , OH

- Analytics and Insights: Responsible for end-to-end analysis of all Systems trials and Market Development protocols for Europe and Asia-Pacific.
- Designed a Spotfire analytics tool and democratized it with the stake holders for enterprise use for various crops in different stages of the production pipeline.
- Product Placement Tool: Designed a multivariate statistical analytics workflow which got embedded into the Climate FieldView digital platform.

- This analytics tool, helps farmers to have optimal seeding density recommendation for their chosen corn hybrid and yield environment.
- Used across North America across 500,000 fields.
- Automation: Designed automated workflow for Systems Trial analysis, for handling multiple crop, multiple trait, multiple experimental design.
- Used extensively in Europe and Asia-Pacific for analyzing 4000+ protocols involving 30000+ statistical analysis and visualization every year.

06/2017 to 04/2018
Bickford Senior Living â€" Columbus , OH

- Hybrid Recommendation Model: Developed analytical models which help provide recommendation for location specific top performing hybrids using field and hybrid specific attributes.
- Also gives optimal yield predictions at various densities for the given hybrid-field combination.
- Predictive Model: Designed a decision tree-based machine learning model to identify which farmers will have a potential lift or no-lift based on historical yield, present static seeding rate and yield environment.
- Analytical Insights: Generated analytical insights for business recommendations for various experimental designs and field layouts.

10/2016 to 05/2017
Post Doctoral Research Scholar, Washington University In St. Louis â€" City , STATE

- TCGA Datahub: Created a TCGA (The Cancer Genome Atlas) datahub and displayed tracks on Washington University Epigenome browser containing 1458 data tracks for 4 different cancer types for paired data.
- NIH Grant: Contributed an entire section for National Institute of Health (NIH) RO1 grant for WashU Epigenome Browser.
- Grant got accepted.

Education
Ph.D : Statistics , 08/2016
The University of Texas At Dallas - City , State
GPA: 3.96
Master of Science : Mathematics And Statistics , 05/2011
University of Louisiana At Lafayette - City , State
Master of Science : Mathematics And Computing , 06/2004
Indian Institute of Technology
Bachelor of Science : Mathematics And Computing , 06/2002
Indian Institute of Technology