Pooja Mukund

Data Scientist

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Education

2021-09 - Current

Master of Science: Biostatistics

Columbia University - New York, NY

2015-08 - 2019-05

Bachelor of Science: Quantitative Sciences

Emory University - Atlanta, GA

Skills

Technical - R, Python, Java, SQL, SAS, Tableau, MS Suite, SPSS, GCP, AWS, Keras, Google BigQuery, Robotic Process Automation, C3.AI

Professional - Data Analysis, Data Visualization, Predictive Modeling, Automation, Data Storytelling

Work History

2019-07 - 2021-08

Data Science Consultant

MHP - A Porsche Company

- Used R Shiny to create a Customer Insights Dashboard for an automotive importer using CRM Data to identify target groups in an emerging market and aid in 2022 marketing strategy.
- Developed UiPath RPA to automate manual Check Requests process. By utilizing RPA and identifying administrative efficiencies, total time required to complete requests decreased by 8 hours daily.
- Developed tool for automated cleaning of Automotive CRM Database by working with Back-End and Front-End developers to create a Pandas and Flask based Automated Data Cleaning Tool increasing efficiency by 33% and saving 600+ hours yearly.
- Managed company wide customer-facing chatbot pilot project. Conducted vendor evaluation, gathered requirements across departments, conducted use case prioritization, developed KPIs for evaluating success, and coordinated with internal and vendor development teams.
- Conducted Data Strategy project for automotive importer in an emerging market to assess data quality and propose optimal Data Science Use Cases assessed on feasibility and business impact.
- Conducted Intro to Data Science Workshops to debunk myths, educate basic concepts in an approachable format, and inform colleagues and clients about often disregarded ethical issues in the field.

2018-05 - 2018-08

Payment Innovation Analytics Intern

Anthem Inc.

- Helped with creation of new performance-based care programs by constructing various clinical metric distributions from claims data pulled and manipulated using SQL Queries to identify top performers among provider groups and benchmarks for cost-savings sharing.
- Developed social determinants based risk model in R for risk-adjusted health insurance by merging census geolocation data with claims data and inputting geolocation features in multivariate regression to understand and account for social determinants in healthcare to aid in determining premiums.
- Collaborated with large technology sector employers to create Excel dashboards regarding procedure costs by different insurance plans using sampling methods to simulate distributions and help clients create strategies for reducing healthcare costs.

2017-05 - 2017-08

Statistician Intern

Center For Autism Research And Excellence

- Conducted EEG & IQ data collection and cleaned EEG graphs using R packages. Utilized R packages dplyr and ggplot to produce descriptive statistics, inferential statistics, and data visualizations for publication. Wrote corresponding statistical analysis and explanation for publication examining cortical responses to speech in Autism Spectrum Disorder.

Courses

Statistical Inference, Applied Linear Regression, Advanced Network Analysis, Data Science Computing, Statistics and Probability Distributions, Data Science Approaches to Text, Coursera - Machine Learning, Coursera - AI for Everyone, C3.AI Data Scientist Specialization