Rohan Krishnan

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EXPERIENCE

De-Bias (Tech Startup)   **Pittsburgh, PA**
Business Development Intern   *May 2022 – January 2023*
- Met with founder weekly to generate investor-facing business development plan consisting of market research, revenue model exploration, framework generation, and feasibility analysis which were used in three startup competition pitches of which De-Bias reached two final rounds
- Developed classification random forest machine learning algorithm using R to predict whether a person would receive a loan based on their demographic and geographic characteristics as part of a consulting engagement on redlining to evaluate Canadian bank lending practices

Pitt Business Racial Justice Research   **Pittsburgh, PA**
Data Analytics Research Assistant   *June 2021 – September 2021*
- Analyzed quarterly statements, annual reports, social media content, and 10K statements to track corporate discussions of racial reparations using Microsoft Excel to create a database of the S&P 500's response to the 2020 BLM movement (used in further research conducted by Dr. Paul Harper and Dr. Jennifer Petrie)

PROJECTS

Predicting Song Popularity   **Pittsburgh, PA**
Available on GitHub   *April 2024*
- Cleaned and conducted exploratory analysis on song popularity data using tidyverse library in R
- Developed and benchmarked several models in R (linear regression, LASSO, ridge, random forest, BART) to determine which best predicted a song's popularity given its characteristics using leaps, randomForest, caret, and gbm libraries
- Designed and produced analytics dashboard using shinydashboard package to display exploratory analysis and random forest predictions

NFL Playoff Predictor   **Pittsburgh, PA**
Available on GitHub   *October 2023*
- Utilized excel and the internet to gather and clean 14 years of NFL playoff data
- Generated exploratory analysis plots and statistics using NumPy, pandas, and Matplotlib in Python
- Used Python (sci-kit learn library) to create logistic regression, pruned decision tree, and random forest classifiers to predict the probability that a team would make the playoffs and identified business use case in report
- Designed and deployed a streamlit dashboard to allow users to explore nfl data and make playoff predictions

Pitt Business Advanced Analytics Consulting Project   **Pittsburgh, PA**
Technology Lead   *January 2023 – April 2023*
- Employed R to develop, fine-tune, and deploy LME zinc settlement spot-price forecasting model, allowing a large regional manufacturer to identify $400,000 in cost-saving sourcing opportunities
- Designed interactive dashboard to track LME zinc settlement price using flexdashboard package in R
- Worked with team of 12 to integrate technical model into full business proposal for client and developed 100+ page business report and 15-page technical report

LEADERSHIP

Consulting Academy   **Pittsburgh, PA**
President (2022-2023), Co-Founder (2021)   *January 2021 – April 2023*
- Partnered with industry professionals to form student-led management consulting firm and industry bootcamp with 10 student participants and three corporate guest speakers over two days

Enactus   **Pittsburgh, PA**
President   *April 2022 – April 2023*
- Spearheaded a record six semester-long projects with local businesses, organizations, and student startups, providing real-world experience to students while benefiting local businesses and economy

EDUCATION

University of Pittsburgh   **Pittsburgh, PA**
Joint Honors Degree, BSBA: BIS, BS: Economics, Minor: Applied Statistics, Certificate: Business Analytics   *August 2024*
3.8 GPA
- **Technical Skills:** GitHub, Python (scikit-learn, NumPy, Pandas, streamlit), R (caret, tidyverse, shinydashboard, flexdashboard), Tableau, SQL (postgreSQL, mySQL), Microsoft Excel, MS Azure Fundamentals Certification