PRITHVIRAJ LAKKAKULA

Web: rajlakkakula.netlify.app **|** GitHub: rajlakkakula **|** Email: prithviraj.lakkakula@ndsu.edu

OVERVIEW

- Passionate about turning data into interpretable and actionable insights for clients and stakeholders
- Over six years in Applied Economics/Statistics experience and over four years of experience using Data Science methods in solving business problems
- Experienced in interacting and collecting data from third party sources (e.g., from Thomsen Reuters Eikon) using their application programming interface (API) from R
- Responsible for receiving a total of **US$230,000** grants for research in applied economics to address problems in the commodity marketing

PROJECTS

- **Classification:** Classified the correct wheat variety with **95%** accuracy using a set of relevant features. Click here for the entire project report
- **Regression:** Predicted the quality of red wine, variable importance, and interpretable interaction effects between features and quality of red wine using scalable machine learning platform (h2o). Click here for more details
- **Deep Learning**: Successfully predicted soybean disease (image analysis) with multiple classes using Deep Learning (Keras). Click here for a demo
- **Data Visualization:** Designed and deployed a web application that shows trends in production, domestic consumption, exports, and imports of three commodities across five countries. Click here to see the shiny web application

CERTIFICATIONS

The Microsoft Professional Program in Data Science
Certificate **|** Microsoft Corporation **|** Dec 2019

Blockchain Technologies: Business Innovation and Application
Certificate **|** MIT Sloan School of Management **|** Sep 2018

LANGUAGES/FRAMEWORKS

Languages: R (fluent) and Python (basic)
Others: Power BI and R Shiny, Apache Spark, Keras, h2o

EDUCATION

Applied Economics [Food and Resource Economics]
Ph.D. **|** University of Florida, Gainesville, FL **|** Aug 2014

Applied Economics [Agricultural Economics]
M.S. **|** University of Arkansas, Fayetteville, AR **|** Aug 2010

CURRENT EMPLOYMENT

Research Assistant Professor
North Dakota State University **|** Jan 2015 - Aug 2020 & May 2021 - Present

(Previous employment: Tennessee State University [Sep 2020 – Oct 2020], University of Florida [Aug 2014 – Dec 2014])

***I am a U.S. Permanent Resident