

# Sravani Vadlamani

## CONTACT DETAILS

Location: San Jose, CA

Mobile: 623-986-2834

Email: [sravanivadlamani@gmail.com](mailto:sravanivadlamani@gmail.com)

LinkedIn: </in/sravanivadlamani>

## EDUCATION

PhD Civil Engineering *Aug 2018*

Certificate in Statistics *Dec 2014*

MS in GIS *Aug 2013*

MS Civil Engineering *May 2010*

BS Civil Engineering *May 2007*

## TECHNICAL SKILLS

- R, Python, SPSS, STATA, Mplus, MATLAB
- SQL
- Statistics(hypothesis testing, A/B testing)
- Machine Learning (supervised and unsupervised modeling techniques)
- Data Wrangling
- Data Visualization
- Reproducible Research
- ArcGIS
- Github, C, JavaScript

## CORE COMPETENCIES

- Expert trainer
- Project management
- Customer focused
- Results oriented
- Excellent communication
- Resolving ambiguity
- Self-starter, eager to learn

## SUMMARY

- Cross-functional collaborator with knowledge of statistical learning methods and data analysis in R and Python resulting in 5 research publications.
- Excellent customer service, strong analytical, organizational, and problem-solving skills through professional and research experience resulting in >\$250K grant funding.
- Reliable team member with effective people skills as evidenced by curriculum design, teaching, leadership experience and proven record of presentations at conferences.

## PROFESSIONAL EXPERIENCE

**Assistant Professor** *Aug 2018 – Present*  
**Data Science & Business Analytics,** Florida Polytechnic University

- Experienced data scientist with strong machine learning and problem-solving skills resulting in successful execution of 21 industry sponsored projects, supervised 88 personnel and mentored 5 trainees.
- Highly organized, reliable team member with effective cross collaboration and people skills as evidenced by 2 funded grants and 2 publications (one best paper).
- Expert communicator to diverse audience through inclusive course material design and development as demonstrated by delivering 8 new courses.

**Data & Research Scientist** *Aug 2012 – Jul 2018*  
**GIS and Civil Engineering,** Arizona State University

- Knowledgeable data analyst with experience managing collaborative research projects in transportation and GIS resulting in 3 publications and one book chapter.
- Strong analytical skills and experience using statistical techniques and visualization tools to turn numbers into insights as evidenced by 6 conference presentations.
- Proven record of leadership experience as demonstrated by leading 2 student organizations, managing 2 directors and a \$500,000 budget.

**Transportation Engineer II** *Dec 2010 – Aug 2012*  
**Maryland State Highway Administration (SHA)**

- Collaborated with state and local governmental agencies, police department, civic groups, and business associations to solve traffic related issues.
- Analyzed data for accident mitigation and conducted traffic engineering analyses to propose and implement solutions that improve safety, capacity, and traffic operations.
- Resolved and followed up 250+ customer concerns and prepared correspondence for C-suite.

## AWARDS, AFFILIATIONS AND HOBBIES

- **Recipient** of 2022 Dan S Rickman **Best Paper Award** from the Review of Regional Studies
- Jenny L. Grote **Student Leadership Award** | Institute of Transportation Engineers-AZ|2018
- **Member of Polk Vision Smart Communities** | Jan 2020 - Present
- **Reviewer for 4 International Journals** | International Association of Traffic and Safety Sciences, Transportation Safety & Security, Transportation Research Record and Transportation Research Board
- **Vice-President** of Internal Affairs | Graduate Student Government | ASU | 2017-2018
- **President** | Institute of Transportation Engineers| ASU | 2014-2016
- Certified **Yoga Instructor** (RYT-200)

## CERTIFICATIONS

### Machine Learning

Stanford University Feb 2022

-- Build and train supervised models (linear and logistic regression, decision trees, regularization techniques etc.) for prediction and classification

-- Apply unsupervised learning techniques including clustering, PCA and anomaly detection

### Applied Data Science with Python

University of Michigan Aug 2021

-- Courses include (a) Introduction to Data Science in Python (b) Applied Plotting, Charting & Data Representation in Python (c) Applied Machine Learning in Python (d) Applied Text Mining in Python and (e) Applied Social Network Analysis in Python

### Practical Data Science on the AWS Cloud

Amazon Web Services Aug 2021

-- Courses include (a) Analyze datasets and Train ML Models using AutoML, (b) Build, Train and Deploy ML Pipelines using BERT (c) Optimize ML Models and Deploy Human-in-the-Loop Pipelines

### Google Data Analytics Professional Certificate

Google Dec 2021

-- Courses include (a) Foundations, Ask Questions to Make Data-Driven Decisions (b) Prepare Data for Exploration (c) Process Data from Dirty to Clean (d) Analyze Data to Answer Questions (e) Share Data Through the Art of Visualization (f) Data Analysis with R Programming (g) Google Data Analytics Capstone

### Six Sigma Yellow Belt

University System of Georgia Dec 2021

-- Courses include (a) Six Sigma Principles (b) Six Sigma Tools for Define and Measure (c) Six Sigma Tools for Analyze (d) Six Sigma Tools for Improve and Control