

Categories

- Awards
- Education
- Leadership
- Projects
- Research Position
- Work

ARUN SURESH

PhD candidate - University of Missouri

Contact:

Address: 810 Rollins St, Room 018, Columbia, MO

Email: aszxy@umsystem.edu

Linkedin: linkedin.com/arunbsuresh

Website: asuresh213.github.io

About:

PhD candidate in Mathematics at the University of Missouri, passionate about applying mathematical expertise to data science. Accomplished researcher with a background in applied mathematics and topological data analysis, evidenced by three papers. A dynamic problem solver with proficiency in R, Python and Julia, with strong leadership skills backed by community development. I thrive in dynamic, fast-paced environments.

Skills:

- Python
- Julia
- Tableau
- MS Office
- R
- SQL
- LaTeX
- C++

Papers:

- A transversality theorem for semi-alg sets (appl. signal recovery)
- Phase retrieval with semi-alg. and neural network priors
- The generic crystallographic phase retrieval problem
- The generators relations and type of the Backelin semigroup

Highlights and projects:

- Predicting Titanic passenger survival - Project (Kaggle comp. Top 3.8%)
- Google Adv. Data Analytics - Certificate
- Google Data Analytics - Certificate
- Advanced learning algorithms - Certificate
- Robust Subspace Recovery and TDA - Project
- Harvest the sun! - Capstone project.
- Numeripy - Python library

Please visit my website for a full list of projects, publications, conference presentations, talks, and posters.

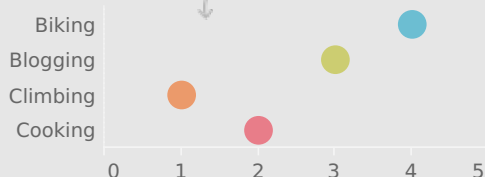
Awards & Achievements:

- Huckaba Scholarship (MU - \$1200)
- Excellence in graduate teaching (MU - \$600)
- V.V. Lavroff award - grad (GSU - \$1000)
- V.V. Lavroff award - undergrad (GSU - \$500)
- Kirkland Sattlemeyer (GSU Hons - 2x\$1200/yr)
- Campus Atlanta Scholarship (GSU - 4x\$16,000/yr)

Languages:

- Tamil (Native)
- English (Proficient)
- Japanese (Beginner)

Hobbies:



2025
2024
2023
2022
2021
2020
2019
2018
2017
2016

