

Tarini Sadasivam

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PROFESSIONAL SUMMARY

Entry-level data professional with a B.S. in Data Science and experience using Python, SQL, R, and Tableau to analyze data, build predictive models, and communicate insights. Applied statistical and machine learning techniques to projects involving 1,000+ images and achieved 80%+ predictive accuracy in classification modeling. Experienced collaborating on engineering projects, analyzing technical data, and translating findings into data-driven recommendations.

EDUCATION

Rutgers University – New Brunswick

Bachelor of Science in Data Science

May 2026

SKILLS & TECHNOLOGIES

Languages & Tools: Python, R, SQL, Java, Tableau, Excel

Platforms & Systems: Google Workspace, Microsoft Office Suite, macOS, Linux/Unix

Technical Skills: API integration, Data Cleaning, Statistical Analysis, Data Visualization

PROJECTS

Algorithmic Bias Audit of Face Detection Systems

Rutgers University

Fall 2025

- Automated API requests to Face++ using Python, processing a dataset of 1,000+ facial images and organizing outputs by demographic attributes (age, gender, race/ethnicity)
- Identified statistically significant disparities in detection accuracy across demographic groups, surfacing systemic bias in the model's performance
- Documented methodology and findings in a technical report on fairness in ML systems, including limitations and recommendations

Zoo Classification Project – R Programming

Rutgers University

Spring 2025

- Built and compared decision trees and Naïve Bayes classifiers on a structured animal dataset achieving 80%+ predictive accuracy
- Evaluated model performance using confusion matrices and cross-validation and created data visualization to communicate model performance to non-technical users

EXPERIENCE

Deputy Lead – Avionics & Integration

September 2024 – August 2025

RU Airborne

Piscataway, NJ

- Collaborated with a 50+ member engineering team to design and build a high-performance RC aircraft for the national DBF competition
- Analyzed electrical components for the propulsion system using performance benchmarks, producing data-driven recommendations for the system selection
- Contributed charts and system testing analysis to the technical design report which ranked in the top 10th percentile nationally

Academic Tutor

December 2022 – May 2023

JEI Learning Center

Princeton Junction, NJ

- Analyzed student performance trends across English and Math to identify learning gaps, enabling data informed adjustments to lesson plans
- Tracked student progress using quantitative benchmarks to support parent consultations and individualized learning plans
- Applied structured problem – solving techniques to explain complex topics clearly, enhancing logical reasoning skills in students