

# Darshan Rajarathnam Kesavan

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## EXPERIENCE

**NYU Langone Health, New York, NY**

**June 2024 - Present**

*Data Analyst Intern*

- Executed precise synchronization and error correction during contract data migration from ONIT to PeopleSoft, ensuring **99.9% accuracy** for over **5,000 vendors** and managing **10,000+ documents**, including master agreements and SOWs.
- Conducted detailed audits, identifying and rectifying over **500 discrepancies and inconsistencies** in contract data, ensuring alignment with master agreements and enhancing overall **data integrity**.
- Coordinated with team members to develop and propose new contract templates and updates to the Vendor Cheat Sheet on the intranet, improving processing times by **90%** and information retrieval efficiency by **80%**.
- Played a pivotal role in the integration of a new **Contract Lifecycle Management (CLM)** tool within PeopleSoft, leading training sessions to ensure smooth adoption and an **85% improvement** in contract management workflows.

**Stevens Institute of Technology, Hoboken, New Jersey**

**March 2024 - June 2024**

*Graduate Research Assistant*

- Extracted and analyzed data from over 9000+ academic publications using **Python, Scrapy, and Beautiful Soup**; identified key trends and insights, reducing research time by **90%** while increasing data accuracy by **95%**.
- Extracted and processed over **9,000** academic publications from **50+ journals**, capturing XML data, including author names, publication titles, volume, abstract, dates, and locations, resulting in a comprehensive dataset for analysis.
- Engineered robust data extraction techniques, amplifying data quality and preprocessing by **90%**, facilitating insightful global research contribution analysis across **50 nationalities**.

**Toshiba India Pvt Ltd, Karnataka, India**

**January 2023 - July 2023**

*Data Scientist*

- Led comprehensive data analysis for patient coordinate mapping in X-ray imaging, identifying and rectifying errors and outliers, resulting in a **70% increase** in diagnostic accuracy and a **25% reduction** in false positives.
- Performed data cleaning strategies on patient coordinate dataset, enhancing quality and resolving issues, leading to **20% improvement in machine learning model precision**.
- Partnered with **top 5 senior data scientists** to incorporate **Google's Movement Model** for advanced **human pose estimation and coordinate mapping**, refining patient positioning accuracy and maintaining the clinical Data.

**IFuture Robotics, Karnataka, India**

**January 2022 - June 2022**

*Intern*

- Developed **advanced system for air rifle shooting** using image processing, improving **shooting precision by 90%**.
- Proposed and executed a comprehensive product placement strategy based on consumer data analysis, achieving a **45% revenue growth** and enhancing **market share by 50%** in one fiscal year.

## CAPSTONE PROJECTS

**British Airways Reviews Analysis | [GitHub Link](#)**

**July 2024**

- Analyzed **10,000+ British Airways** reviews using Python, enhancing data quality by **90%**. Created a Tableau dashboard to visualize trends in satisfaction and complaints.
- Developed a strategy for analyzing British Airways reviews, boosting satisfaction by **15%** through insights on key metrics and trends.

**NYC 311 Service Analysis | [GitHub Link](#)**

**July 2024**

- Led a comprehensive analysis of over **1 million NYC 311 service requests** using Python, resulting in a **15% increase** in response efficiency through data cleansing, manipulation, and visualization.
- Conducted statistical evaluations on **service response times**, linking faster responses to increased public satisfaction, directly influencing a **15% enhancement** in city service operations.

## EDUCATION

**Stevens Institute of Technology, Hoboken, NJ**

**September 2023 - May 2025**

Master of Science in Business Intelligence and Analytics. **GPA: 3.9 / 4.0**

## SKILLS

**Programming Languages:** Python(Pandas, NumPy, SciPy), R, SQL, SAS, Go, GraphQL.

**Data Visualization Tools:** Microsoft Power BI, Tableau, Microsoft Excel(Macros), Matplotlib, Pivot Tables, Quick Sight.

**Data Mining Tools:** Scrapy, Selenium, Beautiful Soup.

**Database:** MySQL, MongoDB, Apache Airflow, Apache Spark, Databricks, SQL Server, Google Cloud, Terraform.

**Data Management & Processing:** ONIT, PeopleSoft, Contract Lifecycle Management (CLM).

**Certification:** AWS Cloud Practitioner.