Aniruddha Parthasarathy

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SUMMARY

Certified data professional experienced in analytics, statistical modeling, and data engineering. Skilled at building experimentation frameworks, adaptive visualizations and communicating actionable insights from complex, large-scale datasets to stakeholders. Proven success collaborating cross-functionally to drive data-driven business decisions in transit, clean energy, and biomechanics. Eager to leverage quantitative analysis and modern data solutions to create measurable value that advances Apple's goals.

TECHNICAL SKILLS

- **Programming Languages**: Python, SQL, R, JavaScript, Tailwind CSS
- **Data Tools & Visualization**: Tableau, Power BI, Matplotlib, Seaborn, D3.js, Excel, Alteryx, DBT, DuckDB, MATLAB
- **Data Engineering & Cloud**: RAG, Airflow, Docker, Redis, LLMs, Google Cloud Platform, BigQuery, Supabase, Pinecone
- **Web & Development**: Node.js, React.js, p5.js, REST APIs, Lovable, SharePoint

EXPERIENCE

Dreamline AI   **Jul 2025 - Present**
Data Engineer   *Remote (US)*
- Developed a robust **Python** scraper (**BeautifulSoup**, **urllib**) extracting 750+ incentive links to populate non-profit's database.
- Designed a high converting product landing page on **Lovable** to streamline organization's clean energy solutions platform.
- Built the database schema on **PostgreSQL** via **Supabase**, integrating data and enabling seamless access to key three user groups.
- Sourced client leads from **Apollo** and managed email outreach to enhance product sign-ups for eco-friendly upgrades.

Metropolitan Transportation Authority   **Sep 2024 - Dec 2024**
Data Analyst Aide - NYC Transit HQ   *New York City, NY*
- Analyzed crime and ridership from open data; validated complaint volume's negligible impact on ridership via hypothesis testing.
- Processed 12M records with **Python** fuzzy matching to develop **Power BI** dashboards exposing 2.97 daily Grand Larceny complaints.
- Applied statistical thresholding to detect ridership anomaly spikes for safety planning, flagging 9.56% of high complaint days.
- Prepared **SharePoint** blog posts on AI, and ad hoc reports to synthesize insights for stakeholders, including a $68.4B capital plan.

New York University   **Jan 2022 - Dec 2022**
Data Analyst   *New York City, NY*
- Automated institutional data checks with **Python** (**Selenium**, **Openpyxl**), cutting cleaning time by 75% and boosting accuracy.
- Streamlined workflows and improved cross-team collaboration using **PeopleSoft**, **Workday**, and **Excel** (**VLOOKUP**, **Pivot Tables**).

iMOV Motion Tech   **Aug 2018 - Dec 2020**
Data Scientist   *Bengaluru, India*
- Simulated gait data and predicted heel contacts for rehab devices in **R**, processing 2.7M datapoints in **Pandas** to ensure data integrity.
- Built a time series model in **MATLAB** with 79.76% forecasting accuracy, resulting in first-author international publication.

KEY PROJECTS

Impact of Transit Crime on Ridership | Power BI, Pandas, NumPy, Scikit-learn, RapidFuzz, Socrata API
- Delivered an anomaly detection model investigating 6 months of crime complaints and hourly ridership to enhance security strategies.

NYC Real Estate ELT Pipeline | Docker, Airflow, DBT, DuckDB, Pinecone, LLM, BigQuery, FastAPI, React
- Built a pipeline on GCP for vector search on 500k+ properties with BigQuery governance, Airflow orchestration, and Docker containers.

Trend Analysis of a Century of Art Acquisitions | D3.js, Pandas, SciPy, NumPy, Excel
- Analyzed 140k+ MoMA art acquisition data with hypothesis tests to uncover gender representation trends across disciplines.

Data Analysis of Argentina at the 2022 Soccer World Cup | MySQL, Statsmodels, Matplotlib, Seaborn, D3.js
- Derived 5 actionable insights via statistical analyses, uncovering patterns like Messi improving the probability of scoring by 17% alone.

Billboard Analysis in the Streaming Era | Tableau
- Built a Tableau dashboard analyzing streaming trends and comparing artist success in making hit singles vs full albums over a decade.

EDUCATION

City University of New York – The Graduate Center   **Aug 2023 - May 2025**
Master of Science, Data Analysis and Visualization   *New York City, NY*
- **GPA:** 4.0
- **Coursework:** Statistics for Data Analysis, Visualization and Design, Data Ethics

New York University – Tandon School of Engineering   **Feb 2021 - Jan 2023**
Master of Science, Electrical Engineering   *New York City, NY*
- **Coursework:** Probability and Stochastic Processes, Organizational Behavior, Systems Engineering

CERTIFICATIONS

- **Foundations of Data Science:** Google – Nov 2025