Aniruddha Parthasarathy

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SUMMARY

Data Analyst with expertise in transforming complex data into actionable insights using AI-powered analytics. Successfully built a statistics-backed dashboard for transit security planning, and a machine learning data pipeline to easily access half a million NYC property records. Eager to leverage analytical and visualization skills with industry experience to drive data-driven solutions.

TECHNICAL SKILLS

- **Data Tools & Visualization**: Excel, dbt, DuckDB, Tableau, Power BI, Alteryx, D3.js, MATLAB
- **Programming Languages**: Python, R, SQL, JavaScript, HTML, Tailwind CSS, C++
- **Data Engineering & Cloud**: RAG, Airflow, Docker, Redis, LLMs, GenAI, Pinecone, Google Cloud Platform
- **Web & Development**: React.js, p5.js, REST APIs, SharePoint

EXPERIENCE

Dreamline AI   **Jul 2025 - Present**
Data Analyst   *Remote (US)*
- Built product landing page using **GenAI** to streamline workflow for clean energy adoption via intelligent matching and analytics.
- Engineered a **Python** scraper (**BeautifulSoup**, **urllib**) extracting 750+ incentive links with error handling to populate platform database.

The 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.
- Aggregated 12M records via **Python** to build **Power BI** dashboards, revealing 2.97 daily Grand Larceny complaints.
- Applied statistical thresholding to detect ridership anomaly spikes for security 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 **Excel** (**VLOOKUP**, **Pivot Tables**), **PeopleSoft**, and **Workday**, enhancing efficiency and communication.

iMOV Motion Tech   **Aug 2018 - Dec 2020**
Data Analyst, Research Associate   *Bengaluru, India*
- Simulated gait data and forecasted 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, Python, Socrata API
- Delivered a comprehensive report investigating 6 months of crime complaints and hourly ridership to enhance security strategies.

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

NYC Real Estate ELT Pipeline | RAG, Airflow, dbt, DuckDB, scikit-learn, FastAPI, Gemini, Docker, GCP, React.js
- Deployed a scalable AI web app for vector search on 500k+ properties, with prompt engineering for optimized responses.

Data Analysis of Argentina at the 2022 Soccer World Cup (Capstone) | MySQL, Python, D3.js, GenAI
- Reported a story with 5 actionable insights, uncovering patterns like Messi improving the team's scoring probability by 17% alone.

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:** Visualization and Design, Interactive Data Visualization, Statistics for Data Analysis

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