Aravind Sai Anisetti

Washington, DC · Anisetti.ar@gmail.com · (804) 585-5047 [[GitHub](https://github.com/aravind-bit)] · [[Tableau Viz Portfolio](https://public.tableau.com/app/profile/aravind.anisetti/vizzes)]

**SUMMARY**

Data Scientist with 7+ years of experience building data pipelines, dashboards, and machine learning models for enterprise, government, and public use cases. Proven ability to automate data workflows, deliver stakeholder-ready visualizations, and develop scalable analytics in Python, R, SQL, Tableau, and AWS. Strong domain expertise in economic analytics, investment research, aviation, and operational metrics.

**PROFESSIONAL EXPERIENCE**

**Data Scientist / Engineer – Federal Aviation Administration (FAA)  
Karsun Solutions LLC, Washington, DC. Mar 2021 – Present**

* Developed Tableau and R Shiny dashboards to automate internal FAA reporting, reducing manual workload by 40%.
* Led migration of 10+ TB of legacy aviation data to AWS; built ETL pipelines using Glue, Lambda, and Redshift for real-time analytics.
* Designed operational dashboards presented to Congress, supporting high-level policy and compliance discussions.
* Reduced data ingestion and processing time by 20% through automation of pipelines and metadata management on AWS.

**Data Science Consultant – Nexus IT Feb 2020 – Mar 2021**

* Built predictive models on AWS Sagemaker for credit derivatives forecasting using Python and boto3.
* Visualized cross-asset and macroeconomic trends using Tableau and R for institutional investment research.
* Created data lakes for research teams, improving data discoverability and collaboration by 30%.
* Improved ML accuracy through feature engineering, hyperparameter tuning, and model validation techniques.

**Data Engineer – Cisco & Kaiser Permanente   
Kforce INC Mar 2019 – Dec 2019**

* Designed time-series models for forecasting marketing ROI, reducing ad spend by 35%.
* Migrated campaign performance data from Oracle to Snowflake, accelerating dashboard loading times.
* Built Tableau dashboards to monitor security lifecycle KPIs, improving issue root cause analysis.

**Data Science Intern – USM Business Systems Apr 2018 – Jan 2019**

* Evaluated production-level machine learning algorithms for scalability and optimization.
* Documented data pipelines, system architecture, and metadata for ongoing analytics projects.

**PROJECTS  
Mid-Cap Tech KPI Dashboard (Python + Tableau)**

* Built dashboard to analyze KPIs (Revenue Growth, R&D Intensity, Net Margin) across 20 AI, Cloud, and Cybersecurity firms.
* Engineered financial features using Python (yfinance, Pandas); created Tableau visuals for sector trends and investment storytelling.
* [[Tableau Dashboard](https://public.tableau.com/app/profile/aravind.anisetti/viz/Mid-CapRevenueAnalysis/Mid-CapTechKPITracker)] | [[GitHub Repo](https://github.com/aravind-bit/tech-equity-dashboard)]

**Inflation Trend Dashboard (Virginia)**

* Analyzed 4 years of regional CPI data using YoY trends and rolling averages.
* Highlighted sector-specific inflation trends via interactive Tableau dashboards for public economic insight.
* [[Tableau Dashboard](https://public.tableau.com/app/profile/aravind.anisetti/viz/InflationAnalysis-Virginia/InflationAnalysisVA)] | [[GitHub Repo](https://github.com/aravind-bit/inflation-analysis-virginia)]

**EDUCATION**

* M.S., Engineering and Operations Management – University of New Haven, CT — Dec 2017
* Bachelor of Technology, Electronics & Communication Engineering – JNTU, India — May 2016

**CERTIFICATIONS**

* AWS Certified Solutions Architect Associate – Aug 2023
* AWS Certified AI Practitioner – Jan 2025
* Tableau Desktop Specialist – Sep 2021
* Alteryx Designer Certification – Feb 2024

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| Languages | Python (Pandas, Scikit-learn, PySpark), R (Tidyverse, Caret), SQL (PostgreSQL, T-SQL), Bash |
| Reporting Tools | Tableau, Power BI, R Shiny, Alteryx, GGplot, Matplotlib, Seaborn, Jupyter |
| Databases | Microsoft SQL Server, Oracle, Google AdWords, AWS RDS |
| Big Data Tools | Spark, Hadoop, Glue, Kafka, Redshift, Snowflake, MongoDB, Starburst, Databricks, Airflow. |
| Machine Learning | Regression, Classification, NLP, XGBoost, Time-Series, Clustering, SHAP, Sagemaker, MLflow |
| Cloud & MLOps | AWS (S3, EC2, Lambda, Glue, SageMaker, RDS), Azure ML, Docker, GitHub Actions, Terraform |
| Collaboration | Agile, Jira, Git, Slack, Confluence, VS Code |