Praveen Satya Rajamanickam Vijayaraghavan

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# SUMMARY\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Data Analytics professional with 3+ years of experience transforming complex data into actionable insights across sales and operational domains. Proficient in SQL, Python, Tableau, and Power BI, with a proven track record of driving $55K+ in cost savings and automating inefficient workflows. Skilled in KPI design, anomaly detection, and dashboard development to support Sales Enablement and Business Development teams. Adept at collaborating cross-functionally to enhance productivity, optimize tool usage, and deliver data-driven recommendations for revenue growth.

# EDUCATION\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The University of Texas at Dallas** Aug 2023 – May 2025

*Master of Science in Business Analytics and Artificial Intelligence (3.93 GPA)*

## Awards: 2x Dean’s Excellence Scholar. Awarded to the top 5% of students for outstanding academic performance.

## Relevant Coursework: Business Analytics with R, Data Visualization, Big Data, Advanced Statistics, Predictive Analytics, Prescriptive Analytics, Machine Learning, Econometrics & Time Series Analysis

**BITS Pilani** Aug 2016 – Sept 2020

*Bachelor of Engineering, Manufacturing Engineering*

# WORK EXPERIENCE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Data Analyst Intern, Copart Inc. *May 2024 – May 2025*

## Developed an interactive Tableau dashboard to track Key Performance Indicators (KPIs), optimizing operational visibility and reducing subhauler commission costs by $15,000 within 3 months.

## Enhanced dashboard performance across 10+ departments using SQL and Tableau best practices, improving load time from 10 to 2 seconds, ensuring seamless adoption.

## Partnered with Sales and Operations leaders to define productivity metrics and drive decision-making for 200+ locations, contributing to a 15% performance lift.

## Implemented anomaly detection using time series forecasting (ArimaPlus model) & Google BigQuery, reducing issue detection time from 3 days to 1 hour, preventing $10,000+ in revenue loss per quarter.

## Maintained GitHub-based collaboration for BI pipelines and Airflow DAGs, supporting 20+ analytics and engineering stakeholders.

## Data Analyst, Capgemini *Sept 2020 – Jun 2023*

## Analyzed insurance claims data using SQL and data wrangling techniques to identify root causes of faulty reimbursements, leading to system enhancements that saved clients $30,000.

## Automated ETL workflows using Python and SQL, streamlining periodic revision of business criteria for car rentals and saving 25 hours per month for the clients.

## Created interactive Power BI dashboards and Excel reports to track team performance, enabling effective sprint planning and reducing sprint spillovers to zero within 3 months.

# PROJECTS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Forecasting Bike Share Demand | R Studio**   *Jan 2025*

## Built VAR and ARIMA models to forecast rental demand, supporting operational planning for peak commute hours.

## Delivered visual insights to guide city bike availability and improve service efficiency.

**Online Shopper’s Purchasing Prediction | Python**  *Dec 2024*

## Achieved 93% recall on purchase predictions using class balancing and feature engineering.

## Identified conversion trends to optimize campaign targeting and revenue strategies.

**Fleet Risk Analytics | Hadoop & Tableau**  *Nov 2024*

## Analyzed telematics data to flag high-risk drivers and vehicles, enabling safety interventions.

## Built dashboards to track incident KPIs, improving fleet policy adherence.

**Second-Hand Cars Market Analysis | Tableau**  *Oct 2024*

## Created a dashboard analyzing pricing drivers, revealing mileage as a stronger factor than model year.

## Highlighted premium brand retention trends to support resale strategy.

**Sales Dashboard Analysis | Power BI** *Dec 2023*

## Developed sales dashboards to track revenue, customer segmentation, and sales rep performance.

## Delivered insights that enabled a 20% improvement in forecast accuracy and territory strategy.

# LEADERSHIP EXPERIENCE AND HACKATHONS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Winner, Alteryx SparkED Hackathon** *Mar 2024*

## Competed against 20+ university teams and secured 1st place ($16,000 prize) by leveraging Alteryx and Tableau to analyze Texas demographic, economic, and infrastructure data, uncovering key insights on population trends and real estate.

## Mentor, Business Analytics Leadership Council (BALC) *Aug 2023 – May 2024*

## Mentored 10+ Spring 2024 Business Analytics cohort incoming students by providing guidance on coursework and career strategies.

## SKILLS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Data Analytics & Visualization: SQL, Python, R, Alteryx, Tableau, Power BI, Excel, A/B Testing

## Big Data & Cloud Technologies: Hadoop, Spark, Hive, Google Cloud Platform (GCP), Amazon Web Services (AWS), DB2

## Machine Learning & Statistical Modeling: XGBoost, Random Forests, Regression (Linear, Logistic, Multilinear), Hypothesis Testing, Pytorch