

K. PAVAN KUMAR

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A results-focused and resourceful student passionate about extracting actionable insights from data. Eager to apply analytical skills in a dynamic Data Analyst role, with a commitment to ongoing learning and professional development.

SKILLS

- **Certifications:** Google Data Analytics Professional Certificate, **Tableau Desktop Specialist**, **Salesforce Administrator**
- **Proficient:** Python, R, SQL, Power BI, Tableau, Scikit-Learn, TensorFlow, MS Excel, JIRA. Predictive Modeling, Machine Learning, A/B Testing, Hypothesis Testing, Time Series Forecasting, Data Governance, Salesforce, Google Analytics, AutoCAD, Looker Studio

EXPERIENCE

Data Analyst – IT Asset Management | University of Massachusetts, Boston, USA May 2024 – Present

- Queried and analyzed 100K+ asset records using SQL and Excel to monitor hardware lifecycle, warranty status, and utilization. Conducted in-depth research on emerging technologies and industry trends to continuously refine support methodologies and deliver cutting-edge solutions.
- Analyzed asset lifecycle costs, identifying optimization opportunities that reduced procurement expenses by 12% annually.
- Analyzed downtime patterns in aging devices, implementing proactive replacements that saved an estimated 400+ staff hours annually.
- Partnered with cross-functional teams to integrate asset analytics into university-wide planning, improving resource allocation for 3K+ devices.
- Built dashboards and reports to track compliance and maintenance schedules, reducing unplanned downtime.
- Improved data quality by standardizing data sets and implementing validation checks.
- Bridged IT and analytics by delivering support and training, while embedding data-driven insights into daily operations

Data Analyst Intern | National Informatics Center, Hyderabad, India Jan 2023 – June 2023

- Created multiple real time analytics dashboards for the Government of India for E-Public Distribution Systems
- Analyzed real-time data, identifying trends, and generating summary statistics for billions of records.
- Optimized supply chain and distribution analytics for e-PDS, analyzing billions of records to identify store timing/accessibility gaps, improving efficiency and reducing bottlenecks for 1M+ beneficiaries.
- Leveraged 20+ Tableau dashboards to visualize complex Demographic data and KPIs to make crucial decisions about Government operations.
- Optimized SQL queries on billions of records in large-scale data warehouse environments, improving performance and storage efficiency.
- Implemented data validation checks to ensure accuracy and compliance with government data standards, contributing to improved data quality and reliability.
- Integrated APIs, HTML, and CSS for seamless public-facing analytics delivery.

Data Analyst Intern | SB Technologies, Hyderabad, India Jan 2022 – July 2022

- Conducted EDA and optimized SQL-driven database management to streamline insights and improve reporting efficiency.
- Analyzed large-scale sales data to uncover customer behavior and market trends, translating insights into KPIs such as churn, revenue growth, and retention to support data-driven decision-making.
- Built live dashboards to track real-time sales performance, enabling managers to respond to market changes 20% faster.
- Organized and streamlined sales data in **Excel**, implementing efficient data structures and formulas to provide the sales team with clear insights into performance metrics and areas for improvement.

EDUCATION

Master of Science in Business Analytics
University of Massachusetts, Boston, USA

September 2023 –April 2025
GPA-3.7/4.0

Bachelor of Technology in Data science and Artificial Intelligence
ICFAI Foundation of Higher Education, Hyderabad, India

August 2019 –July 2023
GPA-3.0/4.0