

Praneeth Kumar P

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Professional Summary

Data Analyst with 5+ years of expertise in business intelligence and analytics, skilled in SQL, Power BI, Tableau, Python, R, and Predictive Modeling. Demonstrated success in driving operational efficiency, boost sales, and business growth through data-driven decision-making.

Education

Master of Science, Business Analytics, University at Buffalo (STEM)

Buffalo, NY

Bachelor of Science, Information Technology, SRM Institute

Chennai, India

Experience

Senior Data Analyst, Community Dreams, Boston, MA

Aug 2024 - Present

- Designed a pipeline to ingest data from multiple Applicant Tracking Systems into **AWS RDS** using **MySQL**, and **Apache Airflow** processing over 1 million records weekly and improving data accuracy by 30,000 entries per week.
- Leveraged **Python** to perform statistical tests, including regression and hypothesis validation, improving CDF's operational planning efficiency and reducing resource waste by \$10,000 per quarter.

Senior Business Analyst, Ernst & Young (EY) GDS, Pune, India

Nov 2021 - Jun 2023

- Architected and maintained **MS SQL Server** for the PAANS platform, streamlining data storage for 5TB of data, and created **Power BI** dashboards, enabling stakeholders to monitor KPIs and reduce reporting time by 40 hours per quarter.
- Employed **Excel (VBA)**, Python, and **R** to analyze demographics and product usage among 3M consumers across the America and Europe, utilizing **Google Cloud Platform (GCP)** for improved data processing, analytics, and visualization.
- Deployed row-level security across 10 interconnected Power BI dashboards for 800+ global users at EY, ensuring data privacy and security compliance with granular user-based access controls, achieving KPIs of zero data breach incidents.
- Applied **ETL** and data modeling fundamentals to optimize database, reducing query times by 25%.
- Conducted **A/B Testing** on landing pages, achieving growth in session duration by 70%, improving user engagement.
- Automated workflows with **Power Automate**, achieving a 40% efficiency gain in quarterly processes.
- Engaged stakeholders across 3+ projects using **Agile methodology** with Jira to contribute to architecture discussions, scrum calls, sprint planning, code reviews, and supporting UAT and Production deployments.
- Articulated technical concepts and implications to business partners, driving alignment and measurable process improvements.

Data Analyst, AGSDO Pvt Ltd, Kurnool, India

Apr 2019 - Oct 2021

- Performed **financial analysis** for Seeds Inventory Management on Excel and **Power Query**, identifying \$1M in cost-saving opportunities and presented insights using **Tableau** dashboards to 15+ stakeholders.
- Conducted **exploratory data analysis** in Python and R to identify trends in inventory, enhancing decision-making.
- Facilitated root cause analysis of seed denials, identifying major reasons for denials and proposing actionable recommendations, leading to a significant 20% decrease in denials.
- Developed a **Tableau** seeds portfolio dashboard, driving a 20% profitability increase in 6 months, measured by key KPIs, including enhanced net profit margins, increased sales revenue, and cost savings per quarter.
- Gathered and analyzed supply chain data, and stakeholder requirements to create comprehensive Business Requirement Documents (BRDs), ensuring alignment with project goals and facilitating effective communication across development teams.
- Boosted infrastructure scalability with **AWS (Lambda, EC2)**, Docker, and Kubernetes, improving system responsiveness and uptime by 50% and streamlined CI/CD pipelines with Jenkins and **Git**, resulting in a 70% decrease in deployment times.

Projects

Viewership Trend Analysis, Buffalo Toronto Public Media: Capstone - Python | SQL | Tableau

- Leveraged technical expertise to conduct **EDA** on Canadian audience data, developing a Tableau dashboard showcasing KPIs and key metrics. Presented findings to 10+ stakeholders, leading to an expected 21% increase in audience reach.

Coffee Shop Strategy - Maven Data Challenge - Python | Power BI | Figma | MySQL

- Developed a data-driven strategy for opening a coffee shop based on insights from a survey, identifying key customer segments and preferences. Designed an interactive Power BI dashboard with 15+ DAX measures, optimizing pricing strategies and product offerings for competitive market entry.

Skills

Tools & Languages: Git, Jira, Alteryx, Postman, Salesforce, HTML5, CSS3, JavaScript, ReactJS, Python, R, Linux, Ubuntu

Analytics: Customer Segmentation, Trend Analysis, Machine Learning Algorithms, Data Modeling, Data Warehouse, Exploratory Data Analysis, ETL, Generative AI, Streamlit, Tableau, Power BI, DAX, Looker, Qlik, Excel, Azure Databrick

Databases & Cloud: Oracle, MS SQL, MySQL, Snowflake, Google Big Query, Azure, AWS (S3, Lambda, RDS, EC2), GCP

Achievements & Certifications

- Earned **“SPOT Award”** at EY for fixing 90% of security vulnerabilities, enhancing fault tolerance, and stability.
- Microsoft Azure Certifications:** Azure Fundamentals ([AZ-900](#)), Azure Data Fundamentals ([DP-900](#)), Azure AI Fundamentals ([AI-900](#)), Power Platform Fundamentals ([PL-900](#)), Azure Administrator ([AZ-104](#)).