Praneeth Kumar Reddy Palampalli

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EDUCATION

MS, Business Analytics, University at Buffalo, The State University of New York, Buffalo, NY	**July 2023 - June 2024**
BE, Information and Technology, SRM Institute of Science and Technology, Chennai, India	**July 2017 - June 2021**

PROFESSIONAL EXPERIENCE

Data Analyst, Community Dreams, Boston, MA · **August 2024 - Present**

- Utilized Python for regression analysis and hypothesis testing, producing reports that optimized CDF's resource allocation strategies, improving deployment efficiency by 25%
- Leveraged Python to clean and validate data from government databases and community surveys, improving compliance reporting accuracy for 10 major projects by 40%
- Built a pipeline to ingest data from multiple Applicant Tracking Systems (Workday, Greenhouse, etc.) into Amazon RDS using MySQL Workbench, processing over 1 million records weekly and improving data accuracy by 30,000 entries per week

Business Analyst, Ernst & Young (EY) Global Limited, Pune, India · **November 2021 - June 2023**

- Designed and maintained SQL Server databases for the PAANS application, ensuring efficient data storage and developed Power BI dashboards for quarterly customer insights, tracking accepted and rejected policies
- Employed Excel, Python, and SQL to analyze demographics, and product usage among 3M consumers across the America, Europe, utilizing GCP for improved data processing and analytics
- Deployed row-level security across 10 interconnected Power BI dashboards ensuring data privacy and security compliance for 400+ users via granular user-based access controls
- Applied ETL and data modeling fundamentals to optimize database, reducing query times by 25%
- Performed A/B Testing on landing pages for PAANS, achieving growth in session duration by 70%, improving user engagement
- Implemented Power Automate workflows for clients, achieving 40% efficiency in quarterly processes
- Gathered and analyzed stakeholder requirements to create comprehensive Business Requirement Documents (BRDs), ensuring alignment with project goals and facilitating effective communication across development teams
- Adeptly communicated technical concepts and implications to business partners, driving cross- functional alignment and measurable process improvements

  Key Accomplishments:

  Received "SPOT Award" for resolving 90% of SQL database vulnerabilities and implementing data governance measures, significantly boosting data security and improving overall system stability

Data Analyst, AGSDO Pvt Ltd, Kurnool, India · **April 2020 - October 2021**

- Conducted financial analysis for Seeds Inventory Management on Excel and Power Query, identifying $1M in cost-saving opportunities, presented insights using Tableau dashboard to 15+ stakeholders
- Performed exploratory data analysis in Python, R, to identify trends in seed inventory, enhancing decisions-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 seed's portfolio dashboard, driving a 20% profitability increase in 6 months, measured by enhanced net profit margins, increased sales revenue, and cost reduction
- Proficient in analyzing confidential supply chain data summarizing key findings, defining requirements (BRDs) and utilizing data and metrics to draw actionable insights, aligning with organizational objectives, and driving growth
- Configured Amazon S3 to securely store and manage large datasets, enabling scalable and efficient data access while reducing storage costs by 20%

PROJECTS

Viewership Trend Analysis, Buffalo Toronto Public Media : Capstone · **Buffalo, NY**

- Utilized 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

Smart Web Scraper Q&A with LLM [Git] : Python | Streamlit | LLM | Hugging Face

- Engineered an innovative web scraping and question-answering application using Python, Streamlit, and advanced AI technologies like Langchain, FAISS, and Hugging Face Embeddings. Reduced processing time for web scraping and content generation by 40%, ensuring efficient operation

TECHNICAL SKILLS

Tools & Languages: Jupyter, Colab, Git, Jira, Alteryx, HTML5, CSS3, JavaScript, Python, R

Analytics: Customer Segmentation, Trend Analysis, Machine Learning Algorithms, Data Modeling, Data Warehouses, Exploratory Data Analysis, ETL, Generative AI, Streamlit, Tableau, Power BI, Excel, Hadoop

Databases & Cloud: Oracle, MS SQL, SQLite, Mongodb, SnowFlake, Google Big Query, Azure, AWS, GCP

CERTIFICATIONS

- **Microsoft Certifications:** Azure Fundamentals **(AZ-900)**, Azure Data Fundamentals **(DP-900)**, Azure AI Fundamentals **(AI-900)**, Power Platform Fundamentals **(PL-900)**, Azure Administrator **(AZ-104)**