PRANAY BHAKTHULA

Arlington, VA 22203 | bhakthulapranay@gmail.com | (202) 469-2775 | Linkedin | Portfolio | Github

SUMMARY

- Experienced Data Analyst leveraging leadership and analytical skills to drive growth by collaborating with cross-functional teams to implement data integration system that reduced operational errors by 40% and enhanced performance by 30%
- Expertise in generating detail-oriented reports and developing compelling Tableau dashboards to present complex data concepts to non-technical stakeholders, resulting in a 20% increase in data-driven decisions
- Proficient in multi-tasking under pressure in fast-paced environment and designing highly efficient solutions for real-world issues by breaking challenges into simpler, executable components

PROFESSIONAL EXPERIENCE

Amazon Web Services (AWS) - Solutions Architect Intern–Data Analytics; Seattle, WA May 2022 – Aug 2022

- Performed data cleaning and analytics on product feedback data using python to identify trends, patterns, and area of concern, resulting in 50% improvement in data validation
- Conducted A/B testing using segmentation to compare user satisfaction among different consumer groups and regions, leading to 25% increase in user engagement
- Collaborated with cross-functional teams on a strategic analysis of sales data, comparing sales statistics with advertising efficacy and marketing spend, which contributed to 20% improvement in profit
- Created AWS QuickSight dashboards to monitor key performance metrics and communicate key findings and actionable recommendations to stakeholders, resulted in 40% increase in decision making accuracy

George Washington School of Public Health – Data Analytics–Research Assistant; Washington, DC Nov 2021 – Dec 2022

- Conducted quantitative analysis on 221K patient records, revealing critical insights into disease trends, correlation, and patterns, resulting in 15% improvement in understanding of epidemic causation
- Implemented SQL queries for data cleaning, updating, and extraction of research data which increased data quality by 30%
- Performed predictive modeling to identify high risk patients with accuracy rate of 72% by building Random Forest and XGBoost classifiers

Centre for Rural Studies and Development - Data Analyst; Hyderabad, India Jun 2019 – Jul 2021

- Developed and executed 100+ complex SQL queries to analyze the government data, creating 50+ data-driven reports facilitating policy advocacy
- Fostered a 30% improvement in decision-making processes by collaborating with stakeholders on KPI development and insight presentation via Tableau
- Performed ad-hoc analysis and reporting, leading to the identification of cost-saving opportunities that resulted in an annual savings of 800K rupees
- Reduced 100+ hours of manual data collection every month by developing and maintaining automated python scripts for ETL processes, ensuring regulatory compliance

SKILLS

- **Programming languages:** Python, SQL, R, SAS, HTML, CSS
- **Database Management:** MySQL, Oracle, MS SQL Server, MS Access, NoSQL (MongoDB), Big Data (Hive, Hadoop, Spark)
- **BI and Statistical tools:** Excel, Tableau, SAS, SPSS, STATA, Microsoft Power BI, Looker, Google Analytics, Qlik
- **Cloud Services:** Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP)
- **Big Data tools:** Snowflake, Alteryx, Databricks

EDUCATION

The George Washington University Washington DC
Master's in Data Science *Jan 2021 – Dec 2022*

Sathyabama Institute of Science and Technology Chennai, India
Bachelor's in Electronics and Communication Engineering *Aug 2015 – May 2019*

PROJECTS

Covid-19 Analysis | SQL & Tableau May 2023 – Jun 2023

- Analyzed a 313k records of covid 19 dataset using SQL queries to assess the global impact of the pandemic, examining mortality rates, infection rates, vaccination coverage, hospitalization trends and economic indicators
- Published two interactive Tableau dashboards to effectively communicate key insights from the analysis

Loan Prediction | Python Nov 2022 – Dec 2022

- Predicted loan status with an accuracy of 82% using Random Forest classifier, Naïve Bayes, KNN, Logistic Regression, XGBoost classifier models, with XGBoost classifier having highest accuracy
- Enhanced the model's efficiency by 20% through data pre-processing techniques including handling missing data, deduplication, class balancing using SMOTE, Exploratory Data Analysis (EDA), and outlier removal