Mohit Yadav

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SUMMARY

Dynamic and results-oriented Analyst with proven expertise in leveraging advanced analytical methods and ad-hoc reporting techniques through statistical analysis and BI tools to drive significant business improvements. Skilled in data-driven decision-making and cross-functional team collaboration.

WORK EXPERIENCE

University of Missouri Health Care   **Columbia, MO**

Business Intelligence Analyst   *June 2023-Present*

- Engineered a scalable web scraping and data visualisation pipeline using Python(BeautifulSoup, Plotly, Papermill) to extract, transform and analyze JSON data, automating 80% of manual data processing and enhancing cross-departmental reporting efficiency.
- Led a transformative slot utilization project, leveraging Databricks, SQL, Python, and Power BI to increase slot utilization by 30%, drive cost savings, and prevent new facility expenses by reallocating underutilized resources.
- Developed a real-time inpatient discharges reporting tool for clinics, centralizing data access for 10+ departments with row-level security, boosting follow-up rates and decreasing readmissions by streamlining follow-up scheduling.
- Spearheaded analytical development to reduce patient readmission risk, employing SQL querying, data transformation, statistical analytics, and dynamic Power BI dashboard creation, resulting in a 2% reduction in readmission rate.
- Directed the implementation of a streamlined data processing pipeline using Visual Studio and DevOps for the Orthopedics Center of Excellence dashboard, achieving 5 performance COE measures in accordance with DNV standards.
- Constructed a real-time reporting framework, leveraging machine learning models and predictive analytics, to identify potential no-show patients, driving scheduling process improvement.
- Orchestrated clinic automation through a self-serve dashboard, replacing manual SQL queries and saving 100+ hours in efficiency on a monthly basis.
- Integrated data from various sources into an IDE to create a streamlined flow for data preparation and cleaning, resulting in a 40% reduction in process time.
- Tools/Skills: Python, Power BI, SQL, Databricks, Microsoft Report Builder, Visual Studio, Microsoft Azure, Fabric, Cerner, PowerChart

BJC Health Care   **Saint Louis, MO**

Data Analyst   *May 2022 – May 2023*

- Increased online scheduling conversion by 1.5% through data-driven insights and sentiment analysis on patient feedback, optimizing the patient booking Journey.
- Forecasted a 2.5% increase in new patient volume by recommending online scheduling for mammography, leveraging predictive models.
- Led collaboration with UI/UX teams to execute A/B testing based on Hotjar data analysis, resulting in incremental improvements to patient appointment conversion.
- Streamlined reporting by automating Excel workflows into dynamic BI dashboards, reducing manual work by 10 hours weekly and boosting operational productivity.
- Tools/Skills: Python, Tableau, PostgreSQL, SSMS, EPIC Hyperspace, Jira, Figma, HotJar

Amity Institute of Space Science   **India**

Data Analyst Intern   *January 2021- June 2021*

- Conducted exploratory data analysis on Messier 87 and Cygnus-A black holes utilizing NASA's extragalactic data.

EDUCATION

University of Missouri   **Columbia, MO**

Master of Science in Data Science & Analytics   *GPA 3.85/4.0*

SKILLS

***Programming Languages*:** Python, PostgreSQL, MySQL, DAX, Markdown

***Tools*:** Power BI, Tableau, Databricks, SSMS, Excel, Cerner, Azure DevOps, Power Automate, Power Chart, Google Cloud Platform

***Domain Knowledge*:** Data Wrangling, EDA, ETL, ERD, Normalization, Model Building, Data Visualization, User Behavior Analysis, Cloud Computing, Database Designing, Data Modeling, Statistical Analysis,

***HealthCare Systems & Operations*:** EHR, EMR, Cerner Data Model, Clinical Workflows, Revenue Cycle Management, Healthcare Delivery Models, HIPAA Compliance, SDOH, Quality and Process Improvement, Patient Outcomes, Benchmarking, Patient Experience