Vishnu Sai Racherla

Hyderabad, IN | +91 9849265708 | vishnusaivs1609@gmail.com
https://www.linkedin.com/in/vishnur16/

TECHNICAL SKILLS

- **Databases and Languages:** MS SQL, Python
- **Visualization Tools:** Power BI
- **Technologies/Framework:** ETL, Databricks
- **Excel** (Pivot Tables, Advanced Functions, Charts)
- Amazon Web Services (Glue, S3, RedShift).

PROFESSIONAL EXPERIENCE

Freelance Data Analyst   *Aug 2023 - Present*
Data Analyst   *Remote*

- Utilized MSSQL to collect, clean and organize over numerous rows of data, resulting reduction in processing error rates and enhanced data quality for client reporting.
- Developed Excel reports incorporating pivot tables, charts and advanced functions, thereby improving data visualization and decision-making capabilities. This resulted in faster report delivery time, significantly enhancing the overall User Experience.
- Orchestrated data infrastructure utilizing AWS services such as S3 and Redshift, optimizing storage costs and facilitating enhanced data accessibility across teams, thereby contributing to improved product management.
- Designed Power BI dashboards to analyze key performance indicator (KPI) metrics, optimizing team efficiency and facilitating quicker data-driven decision-making processes.
- Supported data engineering tasks (via Databricks and Redshift Spectrum) for scalable analytics and efficient querying of large datasets stored in S3.

Cognizant   *Aug 2021 – Jul 2023*
Programmer Analyst   *Hyderabad, IN*

- Applied SQL, advanced Excel for efficient data processing and analysis, successfully delivering a high-quality project that met client expectations for accuracy and reliability.
- Conducted comprehensive program analysis, review, and revision to increase operational efficiency, resulting in marked improvements in system performance and user satisfaction.
- Boosted the effectiveness of data-driven initiatives by leveraging SQL and Excel for analysis, which significantly enhanced operational efficiency and contributed to a measurable improvement in claim processing ROI.
- Streamlined and optimized SQL query operations, achieving a reduction in processing times, thereby improving database efficiency and accelerating critical claim-handling processes.
- Played a vital role in analyzing and refining data-driven strategies for claims management, drawing on insights to enhance precision in handling claims and improving overall system performance.
- Designed and deployed Power BI dashboards to monitor key performance metrics, enhancing decision-making capabilities and reducing reporting time, thereby aligning with system-related objectives.
- Collaborated with cross-functional teams to define data requirements, delivering comprehensive data solutions that align with business objectives and drive implementation.

PROJECTS

Applied Data Science Capstone Project | *Web Scraping, SQL, sci-kit-learn, Data Analysis and Visualization, Python, NumPy, Pandas, Exploratory Data Analysis, Machine Learning*   *Sep 2024 –Dec 2024*

- Extracted and cleaned SpaceX launch data using web scrapping and applied data mining and statistical techniques to uncover key factors influencing rocket launch success and first-stage reusability.
- Developed predictive models, with accuracy, generated insights for decision-making, and presented findings for business insight.

Insights to Telangana Government Tourism Department |*Power BI, Open AI, Google*   *June 2024 – Aug 2024*

- Analyzed development indices using SQL, Power BI identifying top districts with high scores, recommending targeted growth interventions.
- Identified educational disparities in many districts, proposing infrastructure improvements to address gaps in school facilities using SQL and Power BI.
- Visualized Telangana's industrial parks and India's largest solar power project, driving an increase in investment opportunities through dynamic reporting in Power BI.

Growth and Present Insights to the Telangana Government | *Power BI, Excel*   *Mar 2024 – May 2024*

- Leveraged the open data of Telangana to analyze e-challan revenue growth, visualizing the using Power BI dashboards.
- Utilized Excel to track and analyze year-to-year electric vehicle demand, identifying an increase in sales, and presented the findings through PowerPoint.
- Created interactive Power BI visualizations to highlight Hyderabad's top ranking in motorcycle sales revenue over years, offering strategic insights for the automotive sector.
- Analyzed the growth of Telangana's plastic and rubber industry, through Excel data analysis and Power BI visuals, supporting economic development insights

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LEADERSHIP

- Vice President, FUERZA Technical Event – CVR   *Jul 2019 – Mar 2020*
- Chief Organizer, CVR Street Cause (NGO)   *Aug 2018 – May 2021*

EDUCATION

CVR College of Engineering (JNTUH) | 9.28   *Hyderabad, IN*
Bachelor of Technology in Electrical and Electronics Engineering   *Aug 2017 - Jul 2021*