Vidyanand Dhande

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SUMMARY

Seasoned Data Professional with 11+ years in data analytics and software engineering, specializing in Python, SQL, SAS, and Unix. Expertise in data modeling, warehousing, and leveraging business intelligence tools (SSIS, SSRS, SSAS) to enhance decision-making. Proven ability in crafting sophisticated reports and dashboards using Tableau and Power BI, driving business growth. Adept at problem-solving, committed to continuous learning, and keen on embracing new challenges to advance industry best practices.

SKILLS

- Python programming, ETL, Azure, Batch processing, Oracle, Airflow, Google Analytics, MS Excel
- Linux, SQL, XML, Git, JIRA, SAS, Tableau, Power BI, Pandas, NumPy, Dash, Streamlit, Azure, IBM cloud
- Scikit-learning, Unix, Linear Regression, Logistic Regression, ARIMA, Facebook Prophet
- Problem Solving Critical Thinking, Relational/Cloud Databases (MySQL, Snowflake, Oracle, Teradata, MSSQL)

EDUCATION

Master of Business Administration

Illinois State University, Normal, IL (United States)   **[Aug 2012 – May 2015]**

Bachelor of Technology in Electronics and Communication
Jawaharlal Nehru Technological University, Hyderabad (India)   **[Sep 2003 – May 2007]**

WORK EXPERIENCE

Lead Data Analyst
Discover Bank, Full Time   **[Jul 2021 – Present]**
Location: Atlanta, GA, USA

- Spearheaded the analysis and transformation of extensive student loan datasets using SQL, SAS, and Python, focusing on the accuracy of 1098-E tax calculations. This initiative significantly enhanced exception detection accuracy and led to a 95% reduction in false positives, streamlining tax reporting and ensuring compliance.
- Utilized Airflow to automate SQL and Python scripts for student loan customer communications, streamlining letter and statement generation. This led to a 50% reduction in manual workload and a 15% increase in process efficiency, ensuring timely and accurate customer engagement.
- Performed in-depth analysis of student loan data with Python and statistical methods, utilizing Oracle and Snowflake for efficient data querying, resulting in enhanced repayment strategies.
- Performed A/B testing to optimize the design and messaging of student loan repayment communications, resulting in a 25% increase in response rates.
- Identified and implemented process improvements in data collection and analysis workflows, resulting in a 20% increase in operational efficiency.
- Created interactive dashboards using Tableau, Google Analytics, Python Tkinter, and Dash libraries to visualize and communicate key insights to stakeholders.
- Provided mentorship and technical leadership to junior data analysts, fostering professional growth and enhancing team performance.

Business Intelligence Analyst
Rapid IT Inc, Full Time   **[Feb 2019 – Jul 2021]**
Location: Atlanta, GA, USA

- Developed and maintained ETL pipelines using Python and SQL to transform and clean data from disparate sources and load it into a data lake for analysis.
- Implemented ETL processes to extract data from CRM and financial systems, apply business rules and transformations, and load the data into a reporting database for use in business intelligence dashboards using Power BI
- Developed a Python Dash web-based application for the project to capture the data for the field engineers.

- Wrote complex T-SQL queries to extract and manipulate data from multiple sources, including the use of advanced techniques such as subqueries, stored procedures, window functions, and dynamic SQL for critical KPIs and cohort analysis.

Business Intelligence Analyst
Anchor Infotech, Full Time   **[Jun 2015 – Feb 2019]**
Location: Atlanta, GA, Oakland, CA, USA

- Migrated from Sybase to SQL Server 2014 using the SSMA tool and demonstrated expertise in identifying and troubleshooting issues and documenting root cause analysis.
- Conducted database management, performance measurement, and performance tuning using tools like SQL Profiler, Data Engine Tuning Advisor, and index tuning wizard.
- Utilized SSIS to design and implement ETL processes to extract data from various sources, transform the data, and load it into a data warehouse. Created SSIS packages to extract data from flat files, databases, and APIs, and used transformations such as data cleansing, data merging, and data aggregation to prepare the data for analysis and reporting. In addition, used Power BI OLAP cubes to efficiently store and query data.
- Created and modified interactive dashboards and 30+ visualizations by identifying leading and lagging metrics and key KPIs for the project using Power BI.
- Developed tabular reports using SSAS, and SSRS, including drill-down, drill-through, and parameterized reports, and deployed and subscribed to reports to generate daily, weekly, and monthly reports.

Graduate Research Assistant
Illinois State University, Full Time   **[Aug 2012 – May 2015]**
Location: Normal, IL, USA

- Assisted MBA faculty with research and performed advanced data analysis using linear regression, ANOVA/ANCOVA, time series, and simulation-based methods in SPSS and MiniTab v.16.

External Consultant
Wipro Limited, Full Time   **[May 2010 – Apr 2011]**
Location: Espoo, Finland

- Coordinated tasks with offshore development center and elicited requirements from stakeholders, analyzed processes, documented requirements using UML and Visio, migrated application design documents, monitored performance metrics, facilitated Joint Requirement Planning and Joint Application Development sessions, supported system performance and RF engineers, and assisted with change and defect management and user acceptance testing.

Sr. Software Engineer
Wipro Limited, Full Time   **[Jun 2007 – May 2010]**
Location: Hyderabad, India

- Designed and developed software solutions for various internal and external clients using T-SQL, Shell, Perl, and C++.
- Implemented data transformation and cleansing logic using SSIS expressions, variables, and tasks, and utilized SSIS debugging and error handling capabilities to troubleshoot and resolve issues.
- Implemented unit tests and automated testing frameworks to ensure the quality of the codebase.
- Participated in daily stand-up meetings, sprint planning, and retrospectives using agile development methodologies.
- Provided prompt solutions and proactive troubleshooting on applications to resolve subtle and complex issues, achieving 95% customer satisfaction rate.

HONOURS AND AWARDS

Consumer Banking Excellence Award 2022
Discover Bank   **[Aug 2022]**

Microsoft Certified in "Azure Fundamentals"

[Sep 2020]

MCSE: Data Management and Analytics

[Aug 2018]

- Microsoft Certified in "Designing Business Intelligence Solutions with Microsoft SQL Server 2016"
- Microsoft Certified in "Querying Data with Transact-SQL with Microsoft SQL Server 2016"
- Microsoft Certified in "Developing SQL Databases"