**Nikhil Varma Kosuri**

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**SUMMARY:**

Master’s degree holder in Data Science with an experience of around 7 years at a capacity of Data Analyst analyzing product development, quality management and customer feedback related information. Expert in using SQL, R, Python, DBT, Power BI, Snowflake, Tableau, nCino, Salesforce tools for the purpose of data preprocessing and data analytics. Strong in understanding the business goals, connecting information to business objectives, analyzing data for business insights and strategizing plan of actions based on the insights. Well-versed in data security and privacy regulations, data warehousing concepts, and data transformation processes.

* As a data analyst, I possess extensive experience in collecting, analyzing, and interpreting complex data to inform business decisions.
* Use SAP Business Intelligence tools like SAP BusinessObjects to extract data from various SAP modules (e.g., SAP ERP, SAP CRM, SAP BW) based on your requirements.
* Define selection criteria, filters, and parameters to extract specific datasets.
* Choose appropriate extraction methods, such as SAP queries, InfoSets, or direct database access via SQL.
* Collecting and gathering relevant data from various sources, including internal databases and external sources. Cleaning and transforming raw data to ensure that it is accurate, consistent, and ready for analysis.
* Expertise in HR data analysis and reporting to enhance organizational efficiency and effectiveness.
* Utilized nCino to streamline and optimize the loan origination process, reducing processing time.
* Managed document repositories within nCino, ensuring that loan-related documents and compliance forms were organized, secure, and easily accessible.
* Automated and customized workflow processes in nCino, resulting in an increase in overall operational efficiency.
* Expertise in creating source-to-target data mappings, data modeling, and data analysis.
* Proficient in Erwin Mapping Manager, data modeling tools, SQL databases, and real-time analytics platforms.
* Skilled in collaborating with cross-functional teams and translating complex findings into actionable insights.
* Adept at working within the Kimball Data Warehouse Methodology and contributing to Data Governance initiatives.
* Cleaning and transforming raw data to ensure that it is accurate, consistent, and ready for analysis. Ensuring data accuracy and consistency by monitoring data quality and identifying and addressing data issues.
* Developed and maintained a wide range of Power BI dashboards to provide key insights into various business operations, including sales, marketing, and financial performance.
* Collaborated with cross-functional teams to understand business requirements, ensuring that the dashboards effectively cater to the needs of stakeholders and management.
* Transformed raw data from multiple sources into clean, structured datasets, utilizing ETL processes and SQL queries to load data into the Snowflake data warehouse.
* Presenting data findings through visualizations such as graphs, charts, and dashboards that are easy to understand for technical and non-technical audiences. Preparing reports and presentations that summarize data findings and provide actionable insights to stakeholders.
* Using GitHub to collaborate on code with other data analysts and share data analysis projects. Using Snowflake to store and manage large amounts of data in a cloud-based data warehouse.

**Education:**

* Master of Science in Data Science Newcastle University -2021
* Bachelor of Technology in Computer Science and Engineering- 2017

**Technical Skill Set:**

* **Data Engineering:** Advanced Data Mining, Data Wrangling, Data Validation, ETL pipeline management, Data Mapping, Data Quality
* **Descriptive Analytics:** Multivariate data analysis, Data visualization, Data uncertainty, Statistical analysis, Exploratory data analysis, Metrics, Data Evaluation, Anomaly detection, Dimensionality reduction, Hypothesis testing, A/B testing, statistical significance.
* **Predictive Analytics:** Supervised-unsupervised Machine Learning models, image recognition using Convolutional Neural Networks, and Natural Language Processing.
* **Programming Tools Expert**: R, Python, Power BI, AWS, Snowflake, Jerkins, Erwin, Airflow, Pycharm, GitHub, Tableau, ArcMap, ArcGIS, Excel, MS SQL Server 2008R2 and MS SQL Server 2016, TrackWise, SAP Crystal Reports 2008 & 2013, SAP, XML, Data Stage, Jira, Confluence, Workday, mParticle, Database Management Systems: Oracle, MySQL, PostgreSQL, Azure Synapse Cloud Platform.

**Professional Work Experience:**

**JM Family Enterprises**  **Apr 2023 – Aug 2023**

**Data Analyst**

* Collected and analyzed large datasets, transforming raw data into meaningful insights to support business objectives.
* Utilized SQL and Python to extract, clean, and preprocess data from various sources, ensuring data accuracy and quality.
* Developed interactive dashboards and reports using Tableau, effectively communicating complex data findings to non-technical stakeholders.
* Supported data collection efforts and performed data validation to ensure accuracy and reliability for analysis.
* Assisted in creating data visualizations and reports using Power BI, helping teams understand key performance metrics.
* Collaborated with cross-functional teams to decipher complex XML data requirements, performed incisive data analysis, and facilitated successful project execution.
* Integrated Salesforce with other tools and systems used within the organization, enabling seamless data flow and improved operational efficiency.
* Assisted in user training and support, ensuring that the sales and customer service teams maximized their productivity and effectiveness with Salesforce.
* Acted as a liaison between the business units and the IT department, translating business requirements into Salesforce solutions.
* Conducted comprehensive data profiling and validation exercises to unearth potential data quality issues, resulting in heightened data accuracy and reliability.
* Authored comprehensive documentation detailing XML data mapping strategies, data flows, and data dictionaries, serving as a valuable reference for stakeholders.
* Collaborated with business stakeholders to gather data requirements and translate them into actionable insights, resulting in improved decision-making processes.
* Conducted thorough data cleansing and validation to ensure accuracy and integrity, leading to a 20% reduction in data anomalies.
* Utilized SQL and Python to extract, transform, and load data from various sources, streamlining data integration and reducing processing time by 30%.
* Created and maintained comprehensive dashboards and reports using Tableau, providing real-time visualizations for executive teams.
* Developed predictive models to identify customer churn patterns, resulting in a 15% increase in customer retention rates.
* Collaborated with the marketing team to analyze campaign performance data, leading to targeted marketing strategies and a 25% improvement in conversion rates.
* Assisted in data collection and validation, ensuring data accuracy and reliability for analysis.
* Conducted exploratory data analysis to identify trends, patterns, and anomalies, contributing to data-driven insights.
* Supported the development of data visualizations and reports to communicate findings to internal teams.
* Collaborated with senior analysts to design and execute A/B tests, leading to actionable recommendations for product optimization.
* Participated in cross-functional meetings to provide data-driven recommendations for process improvements.

**Global Media & Entertainment, Glasgow, United Kingdom Jan 2022 – Mar 2023**

**Data Analyst**

**Description:**

Projects : Customer Data Platform, Gplan, Audio on Demand, System’s, Fonix & Gplayer.

* Led the ETL process to extract, transform, and load data from diverse sources, ensuring data accuracy and consistency for analysis.
* Leveraged machine learning techniques to develop predictive models and uncover hidden patterns within the data, providing valuable insights for business strategies.
* Collaborated with cross-functional teams to identify key business challenges and formulated machine learning solutions to address them effectively.
* Conducted exploratory data analysis to gain deeper understanding of data characteristics, influencing the selection and refinement of machine learning algorithms.
* Utilized SAP software to extract, clean, transform, and analyze large datasets from various sources, ensuring data accuracy and integrity.
* Designed and developed interactive dashboards in Tableau and Power BI, showcasing actionable insights and facilitating data-driven decision-making.
* Collaborated with stakeholders to understand reporting requirements, ensuring the dashboards provide relevant and meaningful visualizations.
* Presented findings and insights to non-technical audiences, translating complex analyses into understandable insights to drive informed decisions.
* Managed data quality and data integrity initiatives, ensuring data accuracy and completeness throughout the data lifecycle.
* Stayed up-to-date with industry trends and best practices in data analysis, ETL processes, and machine learning to drive continuous improvement.
* Extracted, cleaned, and transformed data from diverse sources, including .csv and .xlsx formats, ensuring data accuracy and completeness.
* Collaborated with HR stakeholders to identify key metrics and KPIs for reporting, contributing to more informed workforce planning and talent management strategies.
* Utilized Oracle and SQL Server databases to extract and manipulate data, ensuring the availability of reliable information for analysis.
* Ensured data security and compliance with data privacy regulations (e.g., GDPR, HIPAA) by implementing data encryption and access controls.
* Created and managed user profiles, roles, and permission sets, maintaining data security and access controls in compliance with industry regulations.
* Developed and maintained custom workflows, validation rules, and process builder flows, automating key business processes and reducing manual effort.
* Conducted regular data cleansing and data enrichment activities within Salesforce, improving data accuracy and reliability.
* Handling data using Snowflake and AWS buckets.
* Developed and maintained data models and data warehousing solutions using SSIS, ensuring efficient data integration and transformation processes.
* Created complex SQL queries and optimized database performance to deliver timely and accurate data to stakeholders.
* Worked in Agile methodology, participating in sprint planning, daily stand-ups, and retrospectives, resulting in improved project efficiency and collaboration.

**Holyhead Primary Healthcare Centre, United kingdom** **Jan 2021 – Dec 2021**
**Intern**

**Description:**

* Designed and implemented visually stunning Tableau dashboards that provided actionable insights into customer behavior, leading to an increase in customer engagement.
* Utilized Tableau's interactive features to allow end-users to customize views and perform ad-hoc analyses, resulting in a reduction in reporting lead time.
* Collaborated with business stakeholders to identify key performance indicators (KPIs) and transform them into intuitive visualizations, enhancing strategic planning and alignment.
* Acted as the primary point of contact for Salesforce-related inquiries, providing timely support and issue resolution for end-users.
* Contributed to the creation of a data governance strategy, ensuring data quality and consistency across the organization.
* Collaborated with cross-functional teams to align Salesforce with evolving business objectives and deliver scalable solutions.
* Utilized AWS Glue to create and manage ETL jobs, ensuring smooth data extraction and transformation processes.
* Developed custom scripts to handle complex data transformations, data cleansing, and enrichment tasks.
* Worked closely with database administrators and network engineers to establish secure and efficient connections between on-premises sources and Snowflake.
* Develop interactive dashboards using tools like Tableau to visualize inventory metrics, enabling stakeholders to make informed decisions.
* Implement data cleansing techniques to ensure data accuracy and consistency, improving overall inventory management processes.
* Analyzed HR data to provide insights into workforce trends, including turnover rates, recruitment effectiveness, and employee performance.
* Created and maintained HR reports to assist management in making strategic workforce decisions, resulting in improved employee satisfaction and retention.
* Created interactive and insightful dashboards using Power BI, providing stakeholders with real-time visibility into key performance metrics and trends.
* Developed data models to support business reporting and analytics needs, ensuring data consistency and accuracy across the organization.
* Automated data processing tasks using Apache Airflow, reducing manual efforts and increasing operational efficiency.
* Conducted data profiling and quality checks to identify anomalies and inconsistencies, implementing data cleansing and enrichment strategies as needed.

**S&P Global, India Oct 2018 -Sep 2020**

**Data Analyst**

**Description:**

* Involved in the development of data layer and created packages and stored procedures

 in SQL Server 2017/2014

* Used PowerBI to create various dashboards as per the requirements from directors and

 executives.

* Reviewed T-SQL issues using a management studio for better performance.
* Used SQL to query databases performing validations and mapping activities.
* Used SSIS jobs for importing data from flat files that bring the data to the application

 Table.

* Implemented error handling and logging mechanisms within SSIS packages to facilitate easy issue identification and resolution.
* Data Governance initiatives by applying XML-specific data quality concepts, engaging in comprehensive data profiling, and ensuring compliance with data standards.
* Skillfully scripted Python code for XML data transformation, elevating data integration processes and reducing manual intervention.
* Conducted real-time risk assessments using nCino's risk management tools, contributing to proactive risk mitigation strategies.
* Efficiently managed collateral associated with loans, ensuring accurate valuation and reducing potential losses.
* Leveraged nCino's CRM capabilities to enhance customer relationships, resulting in an increase in customer satisfaction scores
* Utilized Oracle and SQL Server databases to extract and manipulate data, ensuring the availability of reliable information for analysis.
* Developed complex SQL queries and scripts in PLSql and Oracle SQL Developer for data extraction and transformation.
* Collaboratively interfaced with cross-functional teams to meticulously define intricate data requirements and performed incisive data analysis, effectuating the seamless execution of diverse projects.
* Proficiently architected and maintained intricate data models utilizing Erwin Data Modeler, ensuring a refined representation of data assets and streamlined integration across multifaceted systems.
* Conducted meticulous data profiling and validation exercises to discern latent data quality anomalies, driving precision enhancements and augmenting data reliability.
* Conceived and authored comprehensive documentation detailing data mapping strategies, intricate data flows, and exhaustive data dictionaries, serving as a valuable reference for both technical and non-technical stakeholders.
* Worked with Microsoft SQL Server and MySQL databases, gaining practical experience in data modeling and table structures.
* Assisted in creating reports, dashboards, and visualizations to present integrated data to stakeholders, using tools like Power BI and Tableau.
* Involved in analyzing and evaluating existing applications, and designing and developing

 new and enhanced systems to support user needs

* Developed, scheduled and deployed reports using PowerBI, Crystal Reports, SSRS and

triggers to generate all daily, weekly, monthly and quarterly reports including status.

**FactSet Systems, India Jul 2017 to Sep 2018**

**Intern Data Analyst**

**Description:**

* Using Tableau and OBIEE, developed Ad hoc, Daily and Weekly Sales Performance, Head

Count and Growth Analysis reports which helped to improve revenue by 30% YoY.

* Collaborated with the offsite team to improve data quality. As part of reviewing their

reports and processes, created data validation methods to easily identify errors and

provided recommendations for resolutions to ensure optimal performance. Data

Validation methods helped to improve the accuracy of data by 42%.

* Working on generating various dashboards in Oracle using different data sources such

as Teradata, Oracle, Microsoft SQL Server.

* Developed Interactive Dashboards using dashboard prompts, landing pages, with

multiple links, Guided navigations, Answer queries, and BI Publisher reports.

* Involved in creating complex Stored Procedures, triggers, cursors, tables, and views and
* other SQL joins and statements for applications.
* Created custom reports and dashboards in nCino, offering data-driven insights for decision-makers and improving decision-making processes.
* Ensured compliance with industry regulations by generating required reports and maintaining audit trails using nCino.
* Collaborated with cross-functional teams to integrate nCino with other core banking systems and third-party applications, streamlining data flow and enhancing operational efficiency.
* Utilized SQL queries to extract, transform, and load data from diverse sources, ensuring data accuracy and consistency.
* Assisted in the implementation of a data warehouse solution using Azure Synapse, optimizing data storage and retrieval for analytical purposes.
* Conducted data profiling and validation to identify data quality issues, leading to the improvement of data accuracy and reliability.
* Prepared detailed documentation of data mapping processes, data flows, and data dictionaries for reference by technical and non-technical stakeholders.
* Involved in creation and updates of several SQL Index, Views, Complex Stored

Procedures, triggers and appropriate User defined functions.

* Involved in extraction, transformation and loading of data directly from different source

systems like flat files, Excel, Oracle and SQL Server.

* Developed and customized the Business Model and Mapping (BMM) layer, Physical

layer and Presentation layer as per the business requirements.

* Implemented row level security and user filter on the worksheet &amp; dashboard to restrict

data access for user.

**Value Momentum, India**  **May 2016 to Jun 2017**

**Data Analyst**

**Description:**

* Creating process tracking dashboards for Audits.
* Analysis on process tracking based on Crystal reports
* Knowledge in implementing various quality management process flows and regulatory affairs flows.
* Generating weekly and monthly reports of individual clients.
* Providing the efficiency Analysis through dashboards for all projects
* Performing and handling confidential Information in MsSQL server.
* ETL process on data to generate requested Analysis to the Clients.
* Provided TrackWise Admin Training and End User Training for international and Indian customers at onsite location.
* Handled TrackWise modules like Deviation, Investigation, CAPA, Effectiveness Check, Lab Investigation, Audit Internal, Training Manager, Investigation, Effectiveness Check, Extension, OOS/OOT.
* Closely worked with the product team to Analysis and track the process based on data.
* Have provided complete end user support for TrackWise for various issues and knowledge gaps.
* Closely worked with Sparta customer support consultant on troubleshooting issues of business users faces with TrackWise application and Crystal Report issues.
* Downgraded the Crystal Report application and Handled Change Request- configuration and bug fixing and testing.
* Executed the Release Notes and Deployment Request Form for Internal Audits.