**Avinash Chandra**

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**Professional Summary:**

* Over 11+ years of work experience in Data Analysis, Data Mining, Database Marketing, Customer Profiling, Decision Making, Factor Analysis, Market Research
* Proven success in Project Management, Communication and Collaboration, Business Acumen, Contribution and Leadership, Sprint Planning
* Expert in handling large datasets, querying relational databases, create/automate adhoc analysis/Verafin reports using SQL, Oracle, Teradata, Cloud
* Participated in business requirement work sessions, process flowcharts, detail design functional specifications, fit gap analysis, data mapping.
* Worked on Nice - Actimize implementation including WLF, SAM, CTR and CDD components
* Hands on experience with different programming languages such as Python.
* Strong skills in visualization tools like Power BI & Tableau.
* Expertise in various phases of project life cycles (Design, Analysis, Implementation, and testing).
* Proficient in all aspects of Data Extraction, Data Cleaning, Data Transformation, Data Loading, Data Visualization using SQL, SAS, Excel, Tableau
* Exposure to ACORD Property and Casualty Standards and ISO (Insurance Services Office) tools and conventions.
* Strong SQL development skills including writing Stored Procedures, Triggers, Views, and User Defined functions.
* Awarded Keys of recognition at Kantar Group for Outstanding Performance, Remarkable Efficiency and Passion towards Client Coordination
* Excellent communication, team membership and relationship management skills.
* Establish and maintain database indexing and partitioning strategies using SQL, optimizing performance, and ensuring swift retrieval of product details, order histories, and customer data, especially during peak shopping times.

**Academic Qualifications:**

**Bachelor of Technology in Electrical and Electronics Engineering**, *Jawaharlal Nehru Technological University, Hyd, India* **May 2011**

**Technical/Interpersonal Skills:**

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| Programming Languages | SQL, Python, Basics of SAS Programming, Scala |
| Databases | PL/SQL,T-SQL, SQL, Teradata, ETL, MongoDB, BigQuery, Microsoft Access |
| Other Tools | Ascribe Intelligence (version 2019.1.1), Tableau Desktop, Tableau Server, Snowflake, AWS, Power BI, SPARK, Hadoop, erwin Data Modeler, Databricks, Alteryx, Spotfire |
| Machine Learning Algorithms | Regression, Decision Trees |
| Soft Skills | Team Leadership, Problem Solving/Critical Thinking, Going Above and Beyond, Decision Making, Multi-tasker |
| Computer Proficiency | MS-Office, MS-Excel, MS-Word, PowerPoint, Windows XP, Windows 10 |

**Work Experience:**

*New Jersey*

*Client: Capital One*

**Sr. Data Analyst/Ex - capital Aug 2023 – Present**

* Identify, analyze, and interpret trends or patterns in complex data sets to provide business insights, identify opportunities, help answer questions, solve problems, and make better decisions using Data Extraction and Data Visualizations tools
* Define data collection needed across the functions and systems in the organization to support reporting and analysis usingSQL, Tableau
* Use snowflake for parallel processing, cache data intelligently, and optimize query execution which contributes to faster data retrieval and analysis.
* Data mapping across different data sources to transfer, ingest, process and manage the data and documenting the same
* Design, develop, conducts unit testing and maintains complex Tableau reports for scalability, manageability, extensibility, performance and re-use
* Mastered the ability to design and deploy rich graphic visualizations with Verafin drill down and drop-down menu option and parameters using Tableau.
* Proficient in analyzing financial data including income statements, balance sheets, cash flow statements, and financial ratios to derive actionable insights
* Suggested modifications in queries in Actimize Designs to support impact of user interface views.
* Supported technical team members in modification of workflows and application views in Actimize Designer
* Extensively used SAS/Base procedures and functions for data manipulation and creating summaries data values
* Maintained and enhanced existing SAS reporting procedures for churn reporting and marketing campaigns
* Using Sqoop tool to extract from a relational database into Hadoop.
* Experienced in conducting trend analysis, variance analysis, and forecasting to identify key performance indicators (KPIs) and business drivers
* Coordinated with business users regarding Pre load and Post load validation which includes data analysis, data mapping, data cleansing, data extraction, data transformation, data validation, Verafin error reporting activities during Conversion to Workday from various source systems
* Have basic knowledge of Azure to analyze cross platform data in real time allowing to get instant insights
* Responsible for installing, configuring and managing of Hadoop cluster spanning multiple racks.
* Developed Spark programs in Scala to perform data transformation, creating Data Frames and running Spark SQL and spark streaming application in Scala.
* Experienced in inbound EIB's, managing business processes, working with EIB, report writer, creating Workday calculated fields and custom reports.
* Expert in Insurance Technology solutions like Guidewire suite and PEGA with in-depth knowledge in the Underwriting, policy administration, billing, rating, reinsurance and claims process.
* Skilled in building and maintaining financial models using Excel, Python, or other modeling tools to support business decision-making processes
* Analysis of business requirements and system requirements of the client and also for Property and casualty modules.
* Using A/B testing as in a form of statistical hypothesis testing or as a significant testing.
* Performing different tasks such as data mining, data cleaning, data modelling, data interpretation along with data visualization.
* Utilize data-driven insights, ranging from customer performance to internal operations, to identify areas of improvement and develop actionable recommendations
* Involved in requirement gathering and database design and implementation of star-schema, snowflake schema/dimensional data warehouse using Erwin.
* Worked on various Guidewire integration concepts like Messaging, Batch Processes, Web Services.
* Hands on experience with Guidewire PolicyCenter and ClaimCenter (Worker's Compensation Claims, General Claims) upgradation to v9.
* Utilize snowflake for robust security features such as role-based access control, encryption and compliance
* Using Factor Analysis (FA) to simplify a set of complex variables or items using statistical procedures to explore the underlying dimensions that explain the relationships between the multiple variables/items
* Demonstrated ability to produce customized Microsoft access database applications for various clients on-time and exceeding their expectations.
* Experienced in developing discounted cash flow (DCF) models, scenario analysis, and sensitivity analysis to evaluate investment opportunities and strategic initiatives
* Involved in conducting JAD sessions to identify the source systems and data needed by Actimize-SAM (KYC/CIP). .
* Developed several custom reports using Workday Report Writer and Workday Studio BIRT and Modified Workday Standard reports according to client requirements.
* Create Functional Specification Documents and Data Mapping Analysis for System Integrations.
* Technical experience in Interfaces, Screen mockups, Data conversion and Data mapping.
* Serve as Property & Casualty Insurance SME, reporting to the President, addressing various Insurance industry issues as they arise and the point person for the development and adoption of the ACORD xml standards.
* Automating the monitoring activity by using BASE SAS and email options
* Knowledgeable about financial risk management principles and techniques including credit risk, market risk, and operational risk
* Developed a matrix of six Microsoft access database for the project that automated manpower time studies
* Ease the process of extracting, transforming, and loading (ETL) data from different sources using Databricks
* Involved in scheduling Teradata and UNIX objects to run the jobs on daily/weekly basis depending on business requirement.
* Work through iterative review cycles to deliver results that meet or exceed user expectations
* Develop, execute and monitor complex insights and analytical solutions to the marketing problems analytical approaches and methodologies.
* Formulated the ER diagrams of Property and Casualty data and data flow diagrams in order to interact with database developers.
* Experienced in budgeting and forecasting processes including revenue forecasting, expense forecasting, and budget variance analysis
* Offering secure, scalable, cost-effective data analytics services using AWS
* Result driven Tableau consultant with background in business intelligence and analytics.
* Involved in Agile development methodology active member in scrum meetings.
* Analyzed database performance with SQL query manager and optimized indexes to significantly improve queries.
* Implemented database schema changes and performed data migration for a critical client project, minimizing downtime and data loss.
* Implemented error handling and retry mechanisms in Step Functions to ensure fault tolerance and robustness.
* Collaborated with cross-functional teams, including software developers and data analysts, to gather requirements and design effective SQL solutions.
* Involved in developing a Map Reduce framework that filters bad and unnecessary records.

*Kantar Group, New York*

*Client : HSBC*

**Sr. Data Analyst Jan 2023 – July 2023**

* Use SQL to build complex queries/dashboards that will help drive business decisions across the product, customer success, and sales teams
* Forecast marketing scenarios based on potential KPIs (revenue, spend) and support in evaluation of overall marketing campaign effectiveness
* Implementing fully managed data warehouse service to analyze large scale data using SQL queries through AWS (Amazon Redshift)
* Created and maintained data connections, data sources and data visualizations in Tableau.
* Configured read replicas for read-heavy applications, distributing read traffic across multiple replicas, and improving read performance while offloading the primary database.
* Experience in managing large shared MongoDB cluster
* Experience in Mongo DB installation, patching, troubleshooting, performance, tracking/tuning, back-up and recovery in dynamic environments.
* Involved in Guidewire Corporate Training on Guidewire PolicyCenter, Worked on Commercial Lines Property and Casualty Insurance.
* Built and enhanced Workday integrations using EIB, Cloud Connector, Studio and Document Transformation.
* Monitored Workday Verafin reports and business process steps.
* Performed data migration between multiple environments using mongo dump and mongo restore commands.
* Using Databricks for easy clean, transformation and preparation of data for data analysis
* Skilled in project management and stake holder engagement with the ability to deliver high quality solutions on time and within budget
* Experience in designing Star Schema, Snowflake schema for Data Warehouse, by using tools like Erwin data modeler, Power Designer and Embarcadero E - R Studio.
* Use spark to process the data before ingesting the data into HBase. Both batch and real-time spark jobs were created using Scala.
* Provide remedy archival maintenance in Actimize to help with system down time
* Designed both 3NF  data models for ODS, OLTP systems and dimensional datamodels using Star and Snowflake Schemas.
* Designed and implemented effective Analytics solutions and models with Snowflake.
* Performed system analysis on Guidewire Billing Center 8.0.3 based on each user story and presented results to SME's.
* Developed Workday Studio Integration to Load the Invoices from external Vendors into Workday.
* Build datasets and tables in Big Query and loading data from cloud storage
* Converted and modified Hive queries to use in Big Query and performed data cleaning on unstructured information using various tools
* Implemented Actimize Anti-Money Laundering (AML) system to monitor suspicious transactions and enhance regulatory compliance.
* Communicated the business requirements and data mapping in technical terms to the ETL developers using Informatica.
* Involved in defining the source to target data mappings, business rules and data definitions.
* Work with different sources like HDFS, Teradata for Spark to process the data
* Develop programs in Spark to use on application for faster data processing than standard MapReduce programs.
* Owned the design, development, Verafin and maintenance of ongoing and ad-hoc metrics, reports and analyses that drives the key business decisions
* Meet and collaborate with MS Access programmers from local companies to gain and share ideas and concepts.
* Created and maintained technical documentation for launching Hadoop clusters and for executing Hive queries and pig scripts
* Processed data on store items, provided solutions for inventory order system
* Worked with data investigation, discovery and mapping tools to scan every single data record from many sources.
* Track, report and analyze the performance of marketing campaigns and streamline the automation of regular reporting and data processes using Tableau
* Automate the movement and transformation of data between different AWS services or on-premises data sources.
* Understanding business needs/having business acumen and performing the analysis accordingly which in turn gives better insights to the clients respectively regarding the current trends
* Involved in converting Hive queries into Spark transformations using Spark RDD and scala/python
* Boosted the performance of regression models by applying polynomial transformation and feature selection and used those methods to select stocks.

*Kantar Group, Hyderabad, India*

*Clients : Fidelity, USAA, Charles Schwab, Navy Federal Credit Union*

**Sr. Data Analyst March 2012 -Dec 2022**

* Responsible for working on big data/analytics that gather & integrate large volumes of data, perform analysis and develop actionable insights
* Partnered with the business/operations teams to consult, develop KPI’s, automated reporting/process solutions to meet key business needs
* Execute and maintain reports for external clients and internal support.
* Enable effective decision making by retrieving & aggregating data from multiple sources and compiling it into digestible and actionable format
* Designing and Scheduling the Flow in SAS Management Console.
* Checking if there are data discrepancies after collecting the data and handling the same accordingly.
* Implementing data tracking plan to minimize data inconsistencies/ discrepancies
* Installed MongoDB, configured, setup backup, recovery, upgrade and tuning and data integrity.
* Document the complete process flow to describe program development, logic, testing, and implementation, application integration, coding.
* Prepared the ETL mapping specifications to extract data from the existing system to the AML compliance data marts under the specifications given by the Actimize team.
* Worked on Customer tracks for BASE SAS, Data Integration Studio 4.2, DfPower Studio v8, Enterprise Guide. Web Report Studio, Information Maps Studio, SAS OLAP Cube Studio, SAS Management Console
* Built dashboards and data visualization reports in Business Intelligence platforms to intuitively demonstrate the business performance KPI’s
* Worked with key internal and external partners to refine the models and optimize for increased response rate, conversion, risk and other KPI’s
* Analyzed and report on campaigns to help drive performance improvements, growth opportunities by lowering costs, and improved responses
* Assisted with campaign execution by providing data support across platforms, including processing the data and selecting the target audience
* Experience articulating product questions, pulling data from datasets (SQL, Oracle, Teradata)& using summary statistics to arrive at solutions
* Translated analysis results into business recommendations, and excellent written and verbal communication skills.
* Imported/Exported large amounts of data from Excel file to various data sources like Teradata, Oracle, SQL Server and ensured Data Accuracy
* Identified areas of improvement for internal channels data to reduce outdated or superfluous information, which reduced IT work tickets
* Remain knowledgeable in all areas of business operations to identify systems needs and requirements.
* Ensure assigned projects are completed within budgets and schedules while meeting the business objectives.