**GAURAV GUPTA**

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**SUMMARY:**

* Total 11 years of experience in Data analytics & Data science in Healthcare, Banking, Entertainment, Beverage, Pharmaceutical domains.
* Expertise in Presentation to clients, data analytics, data science and object-oriented analysis, design, and programming.
* Proficient in problem formulation, statistical and probabilistic techniques, business objects and warehousing.

**FUNCTIONAL SKILLS:**

* Presentation, Ownership, Dive deep, Think big, Highest Standards, Risk taker, Always curious

**TECHNICAL SKILLS:**

* **Microsoft Tools:** SQL Server Reporting Services 2008, SQL Server Management Studio, MS Excel, PowerPoint.
* **Development Tools:** Python, R, Tableau desktop, Tableau Server, SAS, JIRA, Teams, Citrix, Spark.
* **Databases:** SQL Server 2008, Teradata, Amazon Redshift, MySQL, Oracle SQL developer, Toad, OBIEE.

**EXPERIENCE:**

**Solution Engineer (Python/R Developer (statistical software)/ Tableau) Dec 2019 – Till Date**

**Client: Verizon – Lake Mary, FL**

**Key Responsibilities:**

* Built onshore/offshore team of 11 members. Worked on all phases of project from talking to the client, chalking out plan, suggesting them solution upfront, highlighting roadblocks and managing team.
* Created/updated/maintained Functional Design Document, defect tracker, mock-ups for team. Coordinated with teams to get deliverables ready. Organized task to do parallel execution and delivered multiple projects concurrently.
* Laid out strategy for applications being built from scratch and App migration (to cloud). Conducted Gap Analysis to enhance existing system. Conducted SWOT analysis for creating my own team, assigned and monitored their tasks and performance.
* Decided KPIs to reflect best insights from data. Refined ways to give navigations. Wrote complex LODs. Blended data from various servers. Flipped sheets over one another using parameters. Passed user selection in title of sheets.
* Created batch files using TABCMD commands in Tableau server. Automated the execution of it from Window task scheduler.
* Managed Tableau server (Production and Dev both) as a server administrator. Managed sites, subscription, data refresh, user based on their access level like viewer, interactor, publisher, editor and their roles like view, save, edit, download etc. to sites and folders, groups.
* Presented the information to stake holders as Tableau or OBIEE Dashboards or PowerPoint slides. Used Sankey, icicle, donut, pie, bar & lollipop charts to show findings.
* Used JIRA, Teams for project management. Tracked issues, tasks and resolved them. Used agile methodologies in project.

**Solution Engineer (Python/R Developer (statistical software)/ Tableau) Feb 2019 – Dec 2019**

**Client: Hartford Healthcare, Hartford, CT**

**Key Responsibilities:**

* Drove data analytics and worked with marketing team to create an information package which I presented to the potential client thereby delivering an end to end pitch for a $3 million engagement spreading over 2 years centred on machine learning.
* Built onshore/offshore team of 7 members. Worked on all phases of project from talking to the client, chalking out plan, suggesting them solution upfront, highlighting roadblocks and managing team.
* Built classifiers (SVM, logistic regression, xgboost, random forest etc.) in Python for Radiology department of hospitals to predict the No show patients and minimized loss of hospitals by 25%. Explained reason for No show to stakeholders with the help of sentiment analysis.
* Created Liner regression, Time series model (ARIMA) in python and integrated that model with Tableau having parameters for user inputs.
* Decided KPIs to reflect best insights from Hospital data. Refined ways to give navigations. Wrote complex LODs. Blended data from various servers. Flipped sheets over one another using parameters. Passed user selection in title of sheets.
* Managed Tableau server (Production and Dev both) as a server administrator. Managed sites, subscription, data refresh, user based on their access level like viewer, interactor, publisher, editor and their roles like view, save, edit, download etc. to sites and folders, groups.
* Presented the information to stake holders as Tableau or OBIEE Dashboards or PowerPoint slides. Used Sankey, icicle, donut, pie, bar & lollipop charts to show findings.
* Used JIRA, Teams for project management. Tracked issues, tasks and resolved them. Used agile methodologies in project.

**Solution Engineer (Python/R Developer (statistical software)/ Tableau) Feb 2018 – Feb 2019**

**Client: Food & Drugs Admin- Washington, DC**

**Key Responsibilities:**

* Drove data analytics and worked with marketing team to create an information package which I presented to the potential client thereby delivering an end to end pitch for a $3 million engagement spreading over 2 years centred on machine learning.
* Built onshore/offshore team of 11 members. Worked on all phases of project from talking to the client, chalking out plan, suggesting them solution upfront, highlighting roadblocks and managing team.
* Created/updated/maintained Functional Design Document, defect tracker, mock-ups for team. Coordinated with teams to get deliverables ready. Organized task to do parallel execution and delivered multiple projects concurrently.
* Laid out strategy for applications being built from scratch and App migration (to cloud). Conducted Gap Analysis to enhance existing system. Conducted SWOT analysis for creating my own team, assigned and monitored their tasks and performance.
* Built clustering model in Python/R to map out product and relationship using their point of sale information captured from over three hundred stores across the USA for last 52 weeks. Created Apriori model to find association rules (confidence, support, lift).
* Decided KPIs to reflect best insights from govt data. Refined ways to give navigations. Wrote complex LODs. Blended data from various servers. Flipped sheets over one another using parameters. Passed user selection in title of sheets.
* Managed Tableau server (Production and Dev both) as a server administrator. Managed sites, subscription, data refresh, user based on their access level like viewer, interactor, publisher, editor and their roles like view, save, edit, download etc. to sites and folders, groups.
* Presented the information to stake holders as Tableau or OBIEE Dashboards or PowerPoint slides. Used Sankey, icicle, donut, pie, bar & lollipop charts to show findings.
* Used JIRA, Teams for project management. Tracked issues, tasks and resolved them. Used agile methodologies in project.

**Solution Engineer (Python/R Developer (statistical software)/ Tableau) Feb 2017 – Feb 2018**

**Client: State of RI, Providence, RI**

**Key Responsibilities:**

* Built onshore/offshore team of 15 members. Worked on all phases of project from talking to the client, chalking out plan, suggesting them solution upfront, highlighting roadblocks and managing team.
* Created/updated/maintained Functional Design Document, defect tracker, mock-ups for team. Coordinated with teams to get deliverables ready. Organized task to do parallel execution and delivered multiple projects concurrently.
* Laid out strategy for applications being built from scratch and App migration (to cloud). Conducted Gap Analysis to enhance existing system. Conducted SWOT analysis for creating my own team, assigned and monitored their tasks and performance.
* Created Liner regression, Time series model (ARIMA) in python and integrated that model with Tableau having parameters for user inputs.
* Decided KPIs to reflect best insights from Hospital data. Refined ways to give navigations. Wrote complex LODs. Blended data from various servers. Flipped sheets over one another using parameters. Passed user selection in title of sheets.
* Created batch files using TABCMD commands in Tableau server. Automated the execution of it from Window task scheduler.
* Managed Tableau server (Production and Dev both) as a server administrator. Managed sites, subscription, data refresh, user based on their access level like viewer, interactor, publisher, editor and their roles like view, save, edit, download etc. to sites and folders, groups.
* Presented the information to stake holders as Tableau or OBIEE Dashboards or PowerPoint slides. Used Sankey, icicle, donut, pie, bar & lollipop charts to show findings.
* Used JIRA, Teams for project management. Tracked issues, tasks and resolved them. Used agile methodologies in project.

**Data Analyst (Tableau / R Developer) Apr 2016- Sep 2016**

**Client: Opportunity Fund, San Jose, CA**

**Key Responsibilities:**

* Wrote complex stored procedure and SQL queries. Created reports in Tableau on geo-based parameters.
* Created linear regression, ANOVA, forecasting, Trend using several parameters in excel to project the sales of services.
* Integrated predictive models, regressions analysis etc. coded in R with Tableau.

**Sr. Data Analyst (Tableau SME, Python/R Developer) May 2015 – Jan 2016**

**Client: HALLMARK, Los Angeles CA**

**Key Responsibilities:**

* Created storyboards, dashboards with different charts like dual axis charts, lollipop charts, donut charts etc. in tableau 9.0, PowerPoint.
* Generated Tableau Dashboards with filters, quick filters, context filters, global filters, parameters and calculated fields on Tableau reports.
* Combined multiple data sources by joining tables using Data Blending.
* Worked on groups, sets & calculated functions including table calculations. Generated reports with trend line, reference line & bands.
* Worked on various reports using best practices and different visualizations like Bars, Lines and Pies, Maps, Scatter plots, Gantts, bubbles, Histograms, Bullets, Heat maps and Highlight tables.
* Understood entire business process to fix problems related to data on existing dashboards. Highlighted discrepancy in data.
* Wrote complex SQL code for MySQL and Teradata database. Created views, tables as per the requirements.
* Created Churn analysis dashboards, Customer lifetime value reports for Feeln (video streaming service) and e-Cards.
* Created Cohort analysis, Cohort churn analysis, Quadrant analysis, Survey data analysis, 80/20 analysis dashboards for Feeln and e-Cards. Showed pattern in subscriber’s behaviour.
* Managed dashboards on Tableau server. Created nodes, load balancer, authorization, user filters and checked server activities.
* Created Sentiment analysis using natural language processing to understand reviews about movies, TV shows, ecards and documentaries in R and python.
* Created apriori & eclat analysis with association rules to suggest movies to subscribers. Monitored the resultant impact on viewership.
* Created predictive analysis, linear regression, Anova analysis in R/Python and integrated solutions in Tableau.

**Data Analyst (Tableau Developer) Oct 2014 – Apr 2015**

**Client: Capital One, Plano TX**

**Key Responsibilities:**

* Created and managed tables in Teradata. Wrote SQL queries and validated data in tables for reporting. Enhanced the performance of queries.
* Wrote Proc SQL queries and SAS commands to fetch and analyse data from excel files and pushed it in Teradata after cleansing operations.
* Gathered requirements, objectives, and features for reports. Led a small team to create rich graphic dashboard.
* Created and maintained dashboards using calculations, parameters in Tableau 8.2 for financing and Home loans.
* Extensively used Tableau features like Data blending, Extracts, Parameters, Filters, Calculations, Context filters, Hierarchies, Actions, Maps etc
* Build complex calculations using advanced functions (ATTR, DATEDIFF, STR, IFs, nested IFs, OR, NOT, AND, SUMIF, COUNTIF, LOOKUPS and QUICK TABLE calculations).
* Extensive experience in using various reporting objects like facts, attributes, hierarchies, filters, parameters, and calculated fields etc.
* Created Dashboard reports for the key performance indicators for senior managers and business units. Performed A/B testing.
* Designed & deployed rich graphic visualization with drill down, drop down menu option & parameterized using Tableau.
* Wrote Unix shell scripts and used putty to automate the execution of SQL scripts, manage them on server.
* Used Ultraedit to review the scripts of group and modify the already existing scripts as per requirements in bulk.

**Data Analyst (Tableau Developer) Apr 2014 – Sep 2014**

**Client: Limade, Seattle, WA**

**Key Responsibilities:**

* Created stored procedure, updatable views, and SQL queries.
* Created reports in Tableau 8.1 on performance matrix of different units for company. I was also responsible for data validation in those reports. Developed tableau data extract using SQL and excel.
* Worked on motion chart, Bubble chart, drill down analysis using tableau desktop.
* Extensive experience in using various reporting objects like facts, attributes, hierarchies, filters, parameters, and calculated fields etc.
* Enhanced the performance of several Tableau dashboard reports by using context filters.
* Developed reports with graphs and pivot tables to understand trends and forecasting in MS excel using functions like logical, lookup, forecast, statistical etc.
* Ran regression analysis in excel to get residual plots, coefficients, F & P-values, establish relationship b/w variables.

**Senior Programmer and Business Intelligence Analyst Jan 2010 – Aug 2011**

**Client: Pfizer – Bangalore, India**

**Key Responsibilities:**

* Used Microsoft SharePoint to create and design pages for SSRS reports for specific requirements given by clients.
* Developed SSIS packages with various tasks like - FTP, file system, for-each-loop, execute package, data flow task, execute SQL task, custom script task, analysis services task, data mining task.
* Sourced data from various types of relational databases, flat files, excel files.
* Experienced in working on dimensional data warehouse, dimensions, facts, slowly changing dimensions.
* Shared knowledge transfer to new joiners in project, support team and testing team. Created blueprints for development team. Gave presentations on MSBI as a part of people development in company.
* Worked in complete SDLC for web application in .net. Followed 3-layer architecture. Ensured quality of code.
* Done Assembly testing/ Product testing and prepared test scripts. Handled production support and bug fixing.

**Senior Programmer and Business Intelligence Analyst Apr 2010 – Jan 2011**

**Client: Mellon Financial Corporation – Bangalore, India**

**Key Responsibilities:**

* Interacted with the clients, garnered requirements, analysed complexities, acuminated them to solution.
* Used Microsoft SharePoint to create and design pages for SSRS reports for specific requirements given by clients.
* Developed SSIS packages with various tasks like - FTP, file system, for-each-loop, execute package, data flow task, execute SQL task, custom script task, analysis services task, data mining task.
* Sourced data from various types of relational databases, flat files, excel files.
* Experienced in working on dimensional data warehouse, dimensions, facts, slowly changing dimensions.
* Shared knowledge transfer to new joiners in project, support team and testing team. Created blueprints for development team. Gave presentations on MSBI as a part of people development in company.
* Worked in complete SDLC for web application in .net. Followed 3-layer architecture. Ensured quality of code.
* Done Assembly testing/ Product testing and prepared test scripts. Handled production support and bug fixing.

**Senior Programmer and Business Intelligence Analyst Apr 2009 – Apr 2010**

**Client: Accenture Performance Mgmt.- Bangalore, India**

**Key Responsibilities:**

* Created requirement documents, technical design documents and knowledge sharing documents.
* Involved in complete Software Development Life Cycle including system study, interaction with users & management, designing, coding, testing and deployment of the system.
* Developed chart reports, parameterized reports, drill down report, drill through report, matrix reports, master detail reports.
* Accountable for data quality & analysis using & excel data parsing using macros, lookup functions and pivot tables.
* Developed SQL server 2008 R2 stored procedures, data mappings for data importing, exporting, and parsing etc. extracted, masked, cleaned and validated. Wrote MDX queries.
* Used Microsoft SharePoint to create and design pages for SSRS reports for specific requirements given by clients.
* Developed SSIS packages with various tasks like - FTP, file system, for-each-loop, execute package, data flow task, execute SQL task, custom script task, analysis services task, data mining task.
* Sourced data from various types of relational databases, flat files, excel files.
* Experienced in working on dimensional data warehouse, dimensions, facts, slowly changing dimensions.
* Shared knowledge transfer to new joiners in project, support team and testing team. Created blueprints for development team. Gave presentations on MSBI as a part of people development in company.
* Worked in complete SDLC for web application in .net. Followed 3-layer architecture. Ensured quality of code.
* Done Assembly testing/ Product testing and prepared test scripts. Handled production support and bug fixing.

**Senior Programmer and Business Intelligence Analyst Apr 2008 – Apr 2009**

**Client: WAMU, Bangalore, India**

**Key Responsibilities:**

* Interacted with the clients, garnered requirements, analysed complexities, acuminated them to solution.
* Experienced in working on dimensional data warehouse, dimensions, facts, slowly changing dimensions.
* Shared knowledge transfer to new joiners in project, support team and testing team. Created blueprints for development team. Gave presentations on MSBI as a part of people development in company.
* Worked in complete SDLC for web application in .net. Followed 3-layer architecture. Ensured quality of code.
* Done Assembly testing/ Product testing and prepared test scripts. Handled production support and bug fixing.

**Programmer, July 2007 – Mar 2008**

**Client: Drug Store, India**

**Key Responsibility:**

* Done software development in C#/ASP.Net/SQL server on windows platform. Prepared test scripts.
* Developed complex SQL code using complex joins, group by, having, sub queries, correlated sub queries, functions, user defined functions. Stored procedures using temporary tables, cursors, table type variables.

**EDUCATION:**

* Master’s in Information Technology Management/ University of Texas at Dallas in 2013
* Bachelor’s in Information Technology /UP Technical University in India -2007