**PIYUSH GAREWAL**

 **Data Analyst/Business Analyst**

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**SUMMARY:**

* 7+ years of experience in Data Analyst / Business Analytics with functional and industrial experience in working with cross-functional teams in the development, documentation and delivery of process innovations driving the attainment of business goals.
* Working experience in forecasting using data (historical or time series with regression techniques), using statistical/econometric tools like SAS and R, data mining using python, SQL.
* Experience in Python (NumPy, Pandas, SciPy, Matplotlib), R programming(ggplot2) and A/B Testing.
* Expert in using of use of MS Office tools like MS Access, MS Word, MS Excel, MS Visio, MS PowerPoint MS Project, and MS SharePoint for data migration into the CI System Knowledge Data Base in Microsoft.
* Experience in working with large-scale SQL based databases on Amazon Redshift, MySQL and SQL Server and Advanced proficiency in writing complex SQL queries.
* Experience in Business writing skills in writing project documentation such as Business Requirements Document (BRD), Functional Requirement Document (FRD), System Requirement Document (SRS) and Use Case Specifications.
* Experience in data analysis, data visualization using Tableau and Power BI, model building with machine learning algorithms for prediction.
* Advanced proficiency in MS Excel including generation of dynamic reports using Pivot Tables, Pivot Charts and VLOOKUP.
* Good experience in performing Risk analysis, GAP analysis, Impact Analysis, and Cost/Benefit analysis to better understand the mechanics of the existing & proposed systems.
* Good knowledge of HP Quality Center tool for all the test management activities like Release Planning, Test Planning, Test case Execution, Requirement Traceability Metrix (RTM).
* Working knowledge of version control systems like Git and defect tracking system using JIRA.

**SKILLS:**

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| **Methodologies:** | SDLC, Agile/Scrum, Waterfall,  |
| **Programming:** | Python, R, SQL |
| **Libraries:** | Ggplot2, NumPy, Pandas, SciPy, Matplotlib |
| **Reporting and Visualization Tools:** | MS Project, MS Office, MS SharePoint, Tableau, Power BI |
| **Database:** | SQL Server, MySQL |
| **Analysis and Documentation Tools:** | Cost/benefit analysis, GAP analysis, Risk Analysis, FRD, BRD, SRS |
| **Tracking and Other Tools:** | Jira, Microsoft Visio**,** Rational ClearQuest, HP Quality Centre, JAD, RTM, OLAP, Pivot tables  |
| **Operating System:** | Windows, Linux |

**EDUCATION:**

**Master of Science in Information System - Business Analytics (GPA 3.95)**

Marist College, Poughkeepsie, NY

**EXPERIENCE:**

**JPMorgan Chase & Co., NJ | May 2020 – Dec 2020**

**Role: Data Analyst/Business Analyst**

**Responsibilities:**

* Used Agile methodology for repeated testing and Created, maintained, and executed manual test scripts.
* Build thoughtful and detailed models (such as regression analysis and classification using R/Python) to support business cases and to forecast the outcomes.
* Used JIRA for bug tracking and fixing in project management.
* Developed Tableau dashboards & reports to show the analysis insights.
* Statistical analysis, Data analysis, anomaly/Outlier detection using R programming.
* Used python packages (NumPy, Pandas, SciPy, Matplotlib) for feature engineering and machine learning models.
* Performed data integrity, analysis, and validity (MySQL).
* Responsible for Performed Feasibility, Adaptability and Risk Analysis to identify the business critical and high-risk areas of the application Implemented different elicitation techniques like Interviews, JAD sessions and Brainstorming to gather requirements.
* Importing and Exporting Reports from SharePoint and Access.
* Authored the Business Requirements (BRD), User Requirements and Functional Requirements (FRD).
* Created SQL scripts and analyzed the data in MS Access/Excel and Worked on SQL and SAS script mapping.
* Drafted Narrative Use Cases and created UML diagrams such as Use Case Diagrams, Sequence diagrams and Flow Diagrams (Business/System) using MS Visio.

**Marist College Poughkeepsie, NY | May 2019 – Dec 2020**

**Role: Helpdesk Analyst, Trainer and Operator**

**Responsibilities:**

* Built tableau dashboard weekly, for incoming issues, requests by 17 departments based on system feature and functionality for optimizing and scalability.
* Analyzed requirements collected data from internal and external directors, extracted business insights in MS Excel, Spreadsheet modeling, pivot tables and pivot charts.
* Expertise in data decisions and trained the team of 20 on professional response, CRUD tickets on the IBM mainframe.
* Weekly updated data server flow hosted for 9000 students, employees and staff on Microsoft SQL Server.

**Printstreet Online Retail Pvt. ltd., IN | Nov 2016 – July 2018**

**Role: Business Analyst, Application Developer**

**Responsibilities:**

* Overseeing all aspects of website, increased visits by 330% in 2 months. Utilizing SEO, AdWords, Analytics.
* Accomplished developing, data management and design, ETL for 12 websites as per company’s clients.
* Mine data BI tools such as tableau, Python, R programming, excel to extract valuable insights that drive business.
* Created and distributed tableau dashboard to track and monitor contend analytics KPIs.
* Led the team and drafted communicational plan, cost proposal, quality plan, Risk Assessment.
* Conducted website performance tests, monitored the performance of live website.
* Used Git version controller for maintaining the source code.
* Documented website development processes and procedures.

**Bitinfocom Technologies, India | Aug 2013 – Oct 2016**

**Role: Data Analyst/Business Analyst**

**Responsibilities:**

* Prioritized requirements to be developed according to Waterfall methodology.
* Write automation scripts in python to automate the quality assurance of adobe.com application.
* Developed stored procedures in SQL Server to standardize DML transactions such as insert, update and delete from the database.
* Wrote and executed unit, system, integration and UAT scripts in a data warehouse projects.
* Utilization of Power BI functions and Pivot Tables to further analyze in given complex data.
* Rapid model creation in Python using NumPy, Pandas, SciPy, Matplotlib for data visualization, these models are then implemented in SAS where they are interfaced with MSSQL databases and scheduled to update on a timely basis.
* Defined project milestones, schedules, monitoring progress and updating plans using MS Project.
* Performed SQL queries for retrieving data from the database, generating ad-hoc reports, and conducting data validation testing.
* Good working with Microsoft office automation tools- Excel, Access, PowerPoint and Project for the facilitation of the project needs.
* Assisted the project manager in documenting meeting agenda and minutes of the meeting.
* Involved in support of System testing when performed on the entire system in the context of a Functional Requirement Specification (FRS) and System Requirement Specification (SRS).
* Coordinated the running of scripts in HP Quality center and Application Lifecycle Management ALM through the project life cycle.