**Jitendra Manglani**

Position**: Senior BI & Data Analyst**

# Skills

* **Languages:** Python, SQL, R, HTML, DAX, M Scripts Language, JavaScript, KQL
* **Databases:** SQL Server 2014 / 2016, MySQL, Azure SQL Database, PostgreSQL, Teradata, Azure Synapse, Snowflake, AWS basics, ADF, SAP S/4 HANA Fiori Apps, Datawarehouse
* **Data Management:** Data Modelling, Data Warehousing, Data Cleansing, Data Visualization, ETL Processes, OLAP, Data Architect, Data Strategy
* **Reporting Tools:** Power BI, Looker, Tableau, MicroStrategy, Power Apps, Paginated Report, SSRS, Qlik Sense, Sigma, Alteryx
* **Big Data:** Cassandra, Google BigQuery, Splunk, Databricks, Data Mining
* **Project Management:** Agile Methodologies, Scrum, JIRA, Trello, Kanban, Stakeholder

Management, Azure DevOps

* **AWS/Azure Cloud:** ADF, AWS basics
* **Machine Learning:** Azure ML, IoT, AI, NLP, Deep Learning, Data Wrangling, Advance Data Analysis/Evaluation
* **Code Competencies:** Strategic Planning, Healthcare Quality Improvement, Project

Costing/Budgeting, End User Training, Stakeholder Communication, Root Cause Analysis

* **Domains:** Healthcare, Manufacturing, Banking, Insurance, Finance, Real State, Food Industry
* **Other Tools:** Quick Books**,** SharePoint**,** Salesforce, MSBI Stack, Advance Excel, Office365, Dynamics D365 FO

# Professional Experience

**MathStats Services Pvt Ltd (India, Remote) (From Apr 2021 – Till Date) Performance Analytics (*Jan 2024 – May 2025*) Role: Senior BI Data Analyst**

**Environment: Sap BI, Business Requirement Gathering, Stakeholder**

**Engagement, Azure DevOps, Data Analysis, Sap Fiori Integration, Power BI**

## Key Accountabilities:

* Collaborated with stakeholders to gather and analyze business requirements, translating them into an effective data model utilizing Extended Star Schema.
* Extracted data from FI-AR and FI-AP, optimizing data flows and enhancing reporting capabilities.
* Developed comprehensive reporting solutions that improved analytical insights for business decision-making.
* Executed data extraction and loading processes, ensuring seamless integration of SAP Business Content for enhanced reporting.
* Created comprehensive financial reports, including Consolidated Balance Sheets and Profit & Loss statements.
* Installed Business Content and modeled various objects, including Info Objects and Info Cubes, to support reporting needs.
* Participated in design and implementation discussions to optimize data modeling and performance tuning.
* Embedded Power BI Content in Sap UI5 Web Applications.
* Designed and developed interactive dashboards that visualize key business metrics for AIP, PRS and SIP modules.
* Collaborated with the product and incentive team and Cross Functional team to align data strategies with business objectives to refine BI tools, resulting in user satisfaction scorecard metrics and filters and slicers using AD groups.
* For Enhanced Analytics Integrating Fiori data with Power BI opens avenues for more robust analytical insights and visualizations. Also, it previews data before it enters Power BI mitigates errors and enhances data quality.
* Experience in Implementation of SAP HANA, SQL scripts as well as complex data modelling using the native HANA capability. Also, Hands-on experience with SAP S/4 Embedded analytics specifically with Core Data Services (CDS) views development technique.

**Wonder Cement (*Jul 2023 – Dec 2023*)**

**Role: Senior BI Data Analyst**

**Environment: SQL, Tableau, Advance Excel, SSIS, Data Analysis, Azure DevOps**

## Key Accountabilities:

* Design and implement scalable data models using advanced techniques such as graph databases and time-series modeling to support complex analytics and machine learning initiatives.
* Collaborate with cross-functional teams to translate business requirements into efficient data structures, ensuring alignment with organizational goals and data governance policies.
* Optimize data models for cloud-native environments, leveraging serverless architectures and distributed computing frameworks to enhance performance and cost-efficiency.
* Develop and maintain metadata repositories and data catalogs using AI-powered tools to improve data discovery, lineage tracking, and impact analysis.
* Lead the implementation of data mesh architecture, fostering domain-driven design and decentralized data ownership across the organization.
* Analyzed Business requirements and interacted with the Business for Requirement gathering.
* End to end design, build and deploy reports solutions.
* Establish and enforce ETL technical standards for deliverables of projects.
* Design and develop appropriate data extraction, transformation, and load routines to move data from source system into the data warehouse environment and from data warehouse into the data marts.
* Develop the best practice, processes, and standards for effectively carrying out data migration activities.
* Providing Customer Insights to Upper Management, Users and Team members as new initiatives are being identified, prioritized, implemented, and deployed.
* Created various Customized and interactive Reports and Dashboards in Tableau.
* Creation of complex report development in Tableau.
* Responsible for custom visual creation for calendar booking for upcoming bookings as well as available slots and booked slots with details for patients.
* Pivoting and Unpivoting the data using SQL queries and load in to create reports.

**Masonite International (*Jan 2023 – Jun 2023*) Role: Senior BI Data Analyst**

**Environment: SQL, SSIS, AML, Azure Synapse, Power BI, R Studio**

## Key Accountabilities:

* Design and Automate data modeling processes through the use of machine learning algorithms and natural language processing techniques to accelerate schema design and validation
* Mentor junior data professionals and conduct knowledge-sharing sessions on emerging data modeling methodologies and best practices.
* Integrate real-time and streaming data sources into existing data models, ensuring seamless compatibility with batch processing systems.
* Implement data quality and consistency checks using advanced validation techniques and automated testing frameworks to maintain model integrity.
* Collaborate with data scientists and ML engineers to design feature stores and model- serving infrastructures that support rapid experimentation and deployment of AI models.
* Experience through the phases of project life cycle, including project initiation, requirements gathering, analysis and design and support.
* Customized standard General Ledger cube from AX 2012 and added calculated measure for COGS, EBITDA Margin, GL accounting etc.
* Implemented CRM Data Export Service to load entities data into SQL Server on Microsoft Azure virtual machine to develop Power BI complex reports using Calendar Visual and Dynamic Bucket mechanism.
* Developed Power BI reports for Monthly COGS percentage, Gross Margin and Profit, COGS by retail locations, AX Trial balance reports with GL accounting in Excel
* Understood the existing champion Data Dictionary and implemented R Script which will forecast the sales for the upcoming 6 months, based on Affiliate budget.
* Implemented location wise sales forecasting using various methods, models and AUC & ROC plotting charts in R Language for forecasting and demonstrated to client.

**Prince Pipes (*Mar 2022 – Dec 2022*)**

**Role: Senior BI Data Analyst**

**Environment: Power BI, JavaScript, Looker, Data Analysis, Excel, Snowflake, SAP BI**

## Key Accountabilities:

* Implementation of data analysis projects to streamline digital advertising operations, utilizing advanced Excel functions, Google Sheets scripts, and Looker Studio for customized reporting and visualization solutions.
* Led automation initiatives using VBA and JavaScript to streamline repetitive tasks, improving efficiency and accuracy across digital advertising workflows.
* Developed and maintained BI reports in Power BI, integrating data from SAP systems to provide insights into business performance and trends
* Conducted in-depth analyses on advertising performance metrics, identifying opportunities to optimize bulk file management, campaign creation, and adjustment strategies.
* Created frameworks for structured data manipulation and visualization, leveraging tools like Snowflake, Tableau, and Looker to drive actionable insights.
* Analyzed and communicated report development issues, including problems with data integrity, data design, and functional and technical issues with SAP BI Data Warehouse.
* Build and maintain Looker as the primary BI tool, including the creation and organization of projects, models and views Audit data to identify potential fraud risk and maintain accurate, complete, and consistent data points and be a champion for data integrity
* Created derived table views in Looker, utilizing SQL Runner, and caching with Persisted Derived Tables.
* Implement Looker Liquid Parameters in derived table views for custom variables and filters.
* Schedule external reporting of tables and visualizations with Looker Looks and Alert Scheduling Utilize.
* Analyzed and tracked data to prepare forecasts and identify trends and developed SQL queries to obtain complex data from tables in on-site and remote databases.
* Collaborated cross-functionally with diverse teams in cleaning, assessing and interpreting data.

**Allivet (*Sep 2021 – Feb 2022*)**

**Role: Senior BI Data Analyst**

**Environment: Power BI, Paginated Report, SQL, SourceTree, Data Analysis, Advance Excel, Azure DevOps, KQL Query, AWS Looker, Snowflake**

## Key Accountabilities:

* Understand Business requirements and interact with the Business for preparing requirement and technical docs.
* I have experience migrating other databases to Snowflake and worked with domain experts and other data analysts to develop and implement and improve existing systems.
* Developed and maintained the data dictionaries, Naming Conventions, standards and document as per the data architecture team standards.
* Experience with Snowflake cloud data warehouse for integrating data from multiple source systems which include loading JSON formatted data into snowflake table.
* Build the Logical and physical data model for snowflake as changes required
* Design, develop, test and implement reports and dashboards using composite models in Power BI.
* Worked on building Power BI reports for RNCP using AWS Looker and Snowflake.
* Designed and developed interactive dashboards that visualized key business metrics for AIP, PRS and SIP modules.
* Collaborated with the product and incentive team to refine BI tools, resulting in user satisfaction scorecard metrics and filters and slicers using AD groups.

**Sirius Decisions (*Apr 2021 – Aug 2021*)**

**Role: Senior BI Data Analyst**

**Environment: Power BI, R Studio, SQL, Splunk, Data Analysis, Advance Excel**

## Key Accountabilities:

* Understanding client’s expectations and working with team in developing the analytical solution.
* Created a data dictionary using sales force tables and tried to relate all tables and fields to understand for further analysis and use it in Predictive analysis.
* Perform data manipulation, cleansing and standardization to provide a framework for advanced reporting capabilities and descriptive analytics.
* Developed dashboards, operational scorecards, financial models, and data visualizations to drive performance improvement and support business operations.
* Provides accurate estimates for all tasks assigned.
* Attended meeting with SD Team to understand sales force tables and their respective fields in detail. Also understood the overall sales force workflow cycle from them.
* I analyzed SD data and tried to extract relevant fields from the data to predict customer churn.
* Prepared master sheets that would help to understand the customer’s behavior by linking customer with the opportunity.

**Analytix Solutions Pvt Ltd (Ahmedabad, India) (*Jan 2020 – Mar 2021*) Standard Chartered**

**Role: Senior Data Analyst/Scientist**

**Environment: Data Analysis, Python, AML, Power BI, Azure SQL Database, IOT, Alteryx**

## Key Accountabilities:

* Set up a team of 10 members Analytics Coe- led delivery of multiple Projects under the space of predictive analytics frameworks spanning across Generalized Linear Regression (Additive), Cross Validation Techniques, Logistic/Linear Regression, Clustering-Generating Score Cards, Basel Scores, PPNR-Models, IFRS-9 Models, Market Risk Scenarios. FCC- Screening, Compliance and Governance. PD, LGD, EAD Models. Project Management, Model Implementation, Fraud Detection Sales and Distribution.
* Supporting across the globe for various portfolios of the Bank like Retail Banking, Transaction Banking (Cash and Trade), Corporate Lending (and Gross Interest Incomes), and Mortgage to find the effect of various Macro-Economic Variables (MEVs) on the Stress Scenarios based on Bank Of England, Thomson Reuters and IFRS9 Models and Stress Testing Models using PD, LGD and EAD Models.
* Participate in design meetings and flows for creation of Data Model and provide guidance on best practices for data architecture.
* Develop and maintain user requirements, parameters and configurations of rating or IFRS expected credit loss systems for different customer segments. Develop, implement and maintain credit rating, economic capital and IFRS expected credit loss models for the measurement and management of credit risk for different segments of the Bank’s portfolios.
* Redeveloped existing Bank assurance and Agency underwriting models (Logistic Regression based). New models incorporated multiple geo-location and agent level metrics to increase top decile event coverage from 40% to 60%. Designed an automated closed loop feedback framework to measure and monitor performance MTM and YTY.
* Work closely with independent model validators to ensure adherence to the governance framework for model deployment and ensure timely closure of validation issues.
* Active engagement with stakeholders to develop analytic solutions using output from such models in credit decisioning, business strategies, risk appetite setting and provisioning and capital assessment.
* Monitor, back test and report performance of the models.
* Applications: SAS 9.2, EG, E-miner, R, Python, MS Excel & MS PowerPoint

**Stridely Solutions Pvt Ltd (Ahmedabad, India) *(Jan 2019 – Dec 2019)***

**HSBC *(Jan 2019 – July 2019)***

**Role: Senior Business Intelligence Developer**

**Environment: Data Analysis, Python, AML, Power BI, Azure SQL Database, Kafka Key Accountabilities:**

* Core responsibilities include Stakeholder Management, Project Management, Models Implementation, Business Development, Managing Analytics based Strategic Transformation projects and building high performance teams.
* Working for the Research and Development Team of the Financial Crime Threat Mitigation of the bank.
* As a part of the Research and Analytics team, Innovation in terms of mitigating financial crime which includes Anti-Money Laundering and Fraudulent Behavior of customers making illicit source of money through illegitimate manners through the Transaction Monitoring System and analyzing the Criminal Mind set through various scenarios and rules
* Also proficient with several global Stakeholder, Projects, Model Monitoring and Model Governance.
* Hand-on experience in all the Machine Learning and Data Science Projects along with Team handling capabilities.
* Worked on Implementing and Optimizing real time data analytics using spark streaming and kafka.
* Experience in writing spark applications using python.
* Hand-on experience in Python and several Machine Learning algorithms like Gradient Descent, Random Forest, ANN etc.
* Implemented pre-defined operators in spark such as map, flat map, groupbykey, aggregatebykey and combinebykey etc.
* Also worked with joins patterns and implemented map side joins and reduce joins using map reduce.
* Presently handling a team size of around 6+ members (Data Scientists) for developing all the Machine Learning and AI driven Models using ANN, Random Forest, GBM, Logistic Regression, Self-Organizing Map (SOM) etc. Held responsible for the direct reportees appraisal, year-end discussion, mentoring and guidance through overall career growth and development.

**MDH To EDH Data Migration *(Sep 2019 – Dec 2019)***

**Role: Senior Business Intelligence Developer**

**Environment: Data Analysis, Power BI, ADF, Data Warehouse, SQL 2016 Key Accountabilities:**

* Analyzed Business requirements and interacted with the business for requirement gathering.
* Data Migration of Global D365 and MDH CXM data using snap Logic to EDH Data Lake and using ADF we need to load data to DataMart’s and using Semantic Layer to create Power BI reports on top of data.
* Data Extraction from Confluence (Enterprise Integration iPaas) which is handled manually to create Summary Dashboards.
* Implemented the SCD type1 and type2 mappings to insert/update records into dimension tables.
* Created and maintained Logical Data Model for the project, included documentation of all entities, attributes, data relationships, primary and foreign key structures, allowed values codes business rules etc.
* Worked on Data handling in ADF for Enterprise Integrations, Live Interactions, Change Request Trackers, Master catalog.
* Different activities and error handling in pipelines of ADF copy data activities for creation of BI reports.
* Data Modeling implementation in Power BI for MDH and MSS in relation view
* Responsible for report development using different financial models and Admin and data pipelines in Power BI

**Indusa Infotech Pvt Ltd (Ahmedabad, India) (From Aug 2016 – Nov 2018)**

**Whizzy BI (*Mar 2018 – Nov 2018*)**

**Role: Senior BI Consultant**

**Environment: SQL, ML, R Studio, Data Analysis, Power BI, Azure DevOps, Python, SAP Hana, SAP BI Integration**

### Key Accountabilities:

* Understanding between functional teams and technical developers, gathering requirements and translating business needs into scalable and secure reporting solutions that addressed stakeholder expectations.
* Responsible for the BRD/DRD Documents, Gap Analysis, Feasibility Study and Proposing the Industry best practices in the Solutioning Phase in the areas of various risk space for Market Risk, Credit Risk, ALM, RAI, NFRM, Finance, IT and Data Governance to create the centralized Data Repository (Centralized Risk DataMart) for all regions holistically as a consultant.
* Designed, developed, and deployed comprehensive BI dashboards and reports using Power BI, integrating SAP data sources such as CDS Views, SAP HANA, and SAP BW to enhance analytical capabilities.
* Developed SAP Fiori analytical applications and reports, utilizing Fiori elements to provide a user-friendly and intuitive interface for end-users, enabling real-time data access and updates.
* Implemented data governance practices, ensuring alignment with regulatory requirements and safeguarding sensitive business information through effective SAP authorization and security measures
* Used Power BI, Power Pivot to develop data analysis prototype and used Power view and Power map to visualize reports. Also responsible for planning cut-over activities for the go-live support for the development work.
* Designed and developed responsive UI5 Application for Desktop and mobile devices using sap.ui.commons and sap.mlibraries.
* Worked on Direct Query enhancements that allows Real-time access to SAP BW & SAP HANA which boosts the performance Faster for MDX queries & optimized SAP connections.

**Financial Supporting Systems (*May 2017 – Feb 2018*) Role: Senior Software Engineer**

**Environment: DAX Studio, Data Modelling, SQL, SSIS, SSAS, R Studio, Data Analysis, Power BI, Azure DevOps**

### Key Accountabilities:

* Understanding the requirements and scope of the application and trying to identify opportunities for improvement through the integration of SAP and Power BI.
* Develop and maintain Tables, Views and Queries in SQL Server as data sources for Power BI Reports.
* Designed and developed reporting analytical queries, reports and visualizations utilizing the Enterprise Business Objects Suite of tools like Crystal Reports, Web

Intelligence Reports, BI Visualizations and CDS views.

* Transform and model data to create interactive visualizations that provide insights into the organization confidential data with Power BI Desktop.
* Customized and enhanced SAP Fiori applications based on SAP queries and CDS views, improving user accessibility and operational efficiency.
* Configure and maintain Power BI Service to share content with business users.
* Developed a strategic reporting solution consolidating KPIs from various SAP sources into a single Power BI dashboard, allowing for real-time insights and improved decision-making across the organization.
* Configure and Manage Premium Capacity in the Power BI Service to share apps to the business users.
* Install and maintain the On-premises gateway to provide secure data transfer between on- premises data and the Power BI Service.
* Create more centralized datasets to reuse the existing datasets in the service thereby avoiding the refreshment of duplicated datasets.
* Carry out various Power BI service administrator activities such as creating and managing security groups, monitoring usage metrics for dashboards/reports, auditing Power BI logs using O365 Security & Compliance Center, and provisioning of licenses, capacities, and organizational resources.
* Create Performance tuning methods on report level metrics using DAX Studio.
* Participate in different levels of Testing (Unit Testing, QA Testing and UAT Testing) to deliver quality data on the dashboards.
* Perform Power BI Admin related activities in Azure Active Directory in Azure Portal.
* Provide support services for Tickets submitted by business users on a daily basis.

**Performance Contractor (*Aug 2016 – Apr 2017*) Role: Senior Software Engineer**

**Environment: Power BI Apps, SSIS, SQL Server, CRM, Python, Excel, Azure DevOps, Stakeholder Management, Power BI**

### Key Accountabilities:

* Designed end-to-end ETL processes for a major financial services firm, which enabled real- time analytics and reporting on transactional data.
* Resolved long-standing data consistency issues by redesigning the staging area and implementing a metadata-driven ETL framework.
* Created custom SQL scripts to extract and transform complex financial datasets for regulatory reporting, ensuring compliance increases.
* Developed ETL procedures to migrate legacy CRM data into a new cloud-based platform, improving data accessibility for remote sales teams.
* Optimized the loading process of dimension tables in a star schema data warehouse, cutting the ETL execution time by half.
* Crafted detailed documentation for all ETL jobs, which became the standard for the company's data management practices
* Implemented comprehensive data validation and error handling logic within SSIS packages, ensuring accuracy rate of data loads increased.
* Developed and automated Python scripts using libraries such as pandas, DateTime, Pytz, Motor, and threading to efficiently scrape data from DG IoT devices, collecting key metrics like KVA readings, ampere readings, and fuel levels.
* Transformed, collected & reviewed data, creating reports and refining large sets of raw data into structured Excel sheets, ensuring improved accuracy and clarity for thorough analysis and better decision-making.
* Collaborated with finance & operations teams to drive actionable insights through data visualization, delivered detailed strategy reports that enhanced decision-making processes & contributed to an increase in operational efficiency.
* Created detailed data visualizations in Power BI, converting complex datasets into clear, actionable insights, allowing stakeholders to monitor DG performance, trends, overall efficiency & reducing Costs.
* Through detailed analysis, I concluded that DGs perform optimally when the fuel tank is maintained at 80% capacity, a key insight that has led to more effective maintenance and performance optimization strategies.
* Automated data workflows-data preparation, blending, and analytics using Alteryx.
* Techniques implemented: Data Extraction, Data Mapping, Data Modeling, Data Cleaning, Data Mining, Data Preparation, Data Ingestion, Data Visualization, Data Reporting.
* Evaluated existing systems for improvement opportunities, recommending enhancements that led to increased operational efficiency.
* Managed multiple projects concurrently, prioritizing tasks effectively to ensure timely delivery without compromising quality.
* Conducted in-depth research on industry trends, incorporating best practices into solution design and development processes.
* Enhanced customer satisfaction by providing timely support and addressing issues during the solution implementation process

**HireCraft Software Pvt Ltd (B’lore, India) (From Apr 2015 – Jul 2016)**

**Anand Milk Union (*Apr 2015 – Jul 2016*)**

**Role: Business Intelligence Developer**

**Environment: Paginated Reports, SQL, SDLC, R Studio, Data Analysis, Tableau, AML, Python, Azure SQL**

### Key Accountabilities:

* + Design and develop reporting data module for Monthly, Quarterly & Yearly Development and Analysis.
  + Developed several visualizations and drill through reports to state the project level utilization of Manpower and Workload.
  + Creating Row level security with tableau and integration with services portal.
  + Writing complex calculated fields to create different metrics.
  + Working on functions like Date, Users, Filter & Value, Logical, and Number.
  + Working with tableau server gateways to impose additional security restrictions on the client system.
  + Performed Analysis on different farmers Id to understand the Fat calculation and used Cluster analysis using R and Azure Machine Learning.
  + Data is stored in Azure SQL database and based on that using different connectors to create tableau reports.
  + Published the paginated reports as per requirements, to improve the user experience.
  + Resolution of bugs and defects identified, Root cause analysis and providing optimized solution.
  + Participating in every phase of SDLC from Requirement & Impact analysis, Build, Unit Testing till verification post deployment.
  + Worked on various types of transformations that are available in Tableau for applying values in a Visualization.

# Education

**Master’s in Computer Science (MSC)**

GANPAT UNIVERSITY

*2013 - 2015*

**Bachelor of Engineering in Computer Applications (BCA)**

GUJARAT UNIVERSITY

*2010 - 2013*

# ACHIEVEMENTS / CERTIFICATES

* Azure DP-203 Certified.
* Data Analytics and Data Platform in cloud platform for Technical Certified.
* Data Platform & Analytics Foundational for Data Platform Competency Certified.
* Advanced Analytics for Data Analytics Certified
* Business Intelligence for Data Analytics Certified
* SQL Server 2016 – Mission Critical & Hybrid Certified
* Got1stprize in Indusa’s “Idea-a-thon” technology event.
* Oracle Certified Java Professional (OCJP) Certification
* Oracle Certified Web Component Developer (OCWCD) Certification
* Oracle certified Java Training Certification
* Microsoft Office Specialist Certification

# PERSONAL INFORMATION

* **Date of Birth:** 4th February 1992
* **Gender:** Male
* **Marital Status:** Married
* **Languages:** Japanese (Pursuing JLPT N4), English, Hindi, Gujarati, Punjabi, Sindhi
* **Hobbies:** Learn & Speak Different Languages, Table Tennis, Photography, Music, Dancing, Billiards