ISHANG MEHRA

Manager

Dynamic and results driven professional with proven expertise in driving organizational value through advanced data analytics and engineering solutions; seeking challenging opportunities in Data Analytics within a reputable organization.

CONTACT

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CORE COMPETENCIES

- Data Analytics
- Data Engineering/Architect
- Data Mining
- Predictive Modeling
- Statistical Analysis
- Data Cleansing
- Computational Complexity
- Business Intelligence (BI)

SOFT SKILLS

- Change Agent
- Collaborator
- Communicator
- Innovator
- Planner
- Thinker

EDUCATION

- **2016: B.Tech. (EEE)**
  From Northern India Engineering College, GGSIP University, New Delhi

TECHNICAL SKILLS

- **Visualization & Dashboards**:
  Tableau Desktop, Power BI

PROFILE SUMMARY

- Results Driven professional offering **nearly 8 years** of organizational experience in the field of **Business/Data Analytics and Data Engineering.**

- Rendered initiative-taking assistance in the definition of **Analytics Roadmap & development of Analytics COEs / KPOs for the clients; lead Descriptive, Diagnostic, Predictive, Prescriptive Analytics, solution development** using Advanced Analytics & AI/ML techniques on Big Data Stack by leading the team of professionals.

- Defined service standards and guidelines for **smooth delivery of end-to-end projects** while evaluating **risks, costs, resource requirements & schedules** and submitting delivery opinions.

- **Extended strategic insights to business stakeholders** to drive actions resulting in revenue enablement, cost optimization, cash flow release & process improvement; **hands-on experience in advanced analytical practices** such as predictive analysis, attribution modelling and customer profiling.

- **Supported majorly in the development of innovative business solutions** to improve product performance and reduce costs by leveraging combination of domain knowledge, Data Science & Data Engineering skills.

- Mapped client requirements through **gap analysis**; analyzed workflow to design solutions spanning PoC, presentation, product design and development; analyzed **large amounts of raw information to find patterns** that helped attain excellence.

- Comprehensive Documentation Created Detailed Confluence pages covering **project scope, architecture, workflows, and automation processes** for easy reference.

- Integration with Jira: Linked Confluence documentation with **Jira tickets**, ensuring traceability of project tasks, issues, and enhancements.

WORK EXPERIENCE

Since Aug'22: EXL Service, Delhi as Manager
Project: Renaissance Insurance
Responsibilities:

- Microsoft Fabric Implementation: Led the end-to-end migration from SSMS to Microsoft Fabric, replicating the entire data environment.
- Lakehouse & Warehouse Setup: Designed and implemented Fabric Lakehouse and Warehouse to support scalable data storage and processing.
- Automated Month-End Reporting: Developed dynamic procedures to automate month-end reporting using Microsoft Fabric, reducing manual effort and improving efficiency.
- Datamart Replication: Successfully recreated and optimized Datamart in Microsoft Fabric for the dental, life, and disability insurance business.
- Power BI Interactive Reporting: Built and deployed interactive Power BI reports, integrating Fabric data for real-time analytics and decision-making.
- Process Automation: Created dynamic SQL procedures to streamline data ingestion, transformation, and reporting workflows within Fabric.
- Designed and implemented an ETL pipeline to transfer and transform large datasets from AWS S3 to SQL Server Management Studio (SSMS) using AWS Glue and custom Python scripts, ensuring efficient and reliable data integration.
- Developed and automated the creation of Data Marts from imported tables based on specific lines of business, optimizing data structures for performance and analytics using T-SQL and MS SQL Server.

- **Database Management**: AWS Glue, Fabric, Python, MS SQL Server, Hive, EXCEL
- **Programming Languages**: Python, SQL, HTML/CSS, PySpark
- **Project Management Tools**: Google Packages, MS-Office, JIRA, Confluence, Power Point Presentation.

CERTIFICATIONS

- AICPCU – 2018, **Introduction to Risk Management & Insurance (RMI 315-H)**

- Coursera - Affiliated from University of Michigan – 2020, **Python for everybody**

- Udemy – 2020, **Tableau 2020 A-Z**

- Sofcon India Pvt. Ltd., **PLC Scada and MATLAB**

INTERNSHIP

2015: Airport Authority of India – In Air Traffic Control Department as **ATC Intern**

PERSONAL DETAILS

Date of Birth: 23.11.1993

Languages Known: English & Hindi

Address: H. No. 374, Srinagar, Street No. 2, New Delhi - 110034

- Built custom views from Data Marts to enable streamlined data access, providing tailored datasets for analytical and reporting needs.
- Collaborated with stakeholders to create and deliver business-critical reports using data from views and Data Marts, leveraging Excel for visualization and insights.
- Ensured data quality, scalability, and operational efficiency by integrating AWS S3, Python, and MS SQL Server for end-to-end data pipeline and architecture management.

Key Technologies: Microsoft Fabric, AWS Glue, Python, PySpark, SQL Server Management Studio (SSMS), T-SQL, Excel, Power BI

Project: AIG
Responsibilities:

- Analyzing functional and system requirements to devise a product roadmap for North America Casualty Reinsurance, covering Historical Premium, Losses Triangle, Large Losses, and Cyber Reinsurance
- Successfully delivering end-to-end automation project for North America Casualty Historical Premium, Losses Triangle, Large Losses, and Cyber Reinsurance by comprehensively understanding the process, data flow, and logic
- Developing stored procedures and ETL jobs on MS SQL Server, ensuring smooth data processing and validation
- Translating business requirements into technical specifications, analyzing key KPIs and data sources using Python
- Creating BI visualizations, components design, data source creation, and naming to showcase data and related entities
- Engaging with clients to assess existing ASS Data Platforms, identifying pain points, and proposing optimal BI and Data Analytics solutions through GAP Analysis
- Designing and implementing Business Intelligence solutions utilizing modern tools like Power BI, Tableau, Alteryx, Python, and SQL/No-SQL databases
- Automating and digitizing manual procedures engaged in Descriptive Analytics and Reporting using BI tools such as Power BI and Tableau

Project: Q&E Insurance
Responsibilities:

- Created and updated monthly and quarterly portfolio reports for London Market Property Insurance
- Enhanced client productivity by over 50%, allowing for increased focus on refining underwriting practices including risk selection and capacity management.
- Built optimized data connections, extracts, and schedules for background tasks, ensuring timely refreshing of weekly/monthly dashboard reports on Tableau Server
- Designed, coded, tested, and debugged custom queries using MS SQL services and Python, consistently delivering quality code aligned with project and departmental standards.
- Developed a Client Query system as a comprehensive solution for ad hoc requests.
- Managed team and project training for new members, ensuring seamless onboarding and knowledge transfer.
- Utilized Atlassian Tools (JIRA) to raise issues, create tasks, and manage team responsibilities, maintaining clear documentation, due dates, and reminders.

PREVIOUS EXPERIENCE

Nov'2021-Feb'2022: RMS (A Moody's Analytics Co.), Noida as Technical Specialist

Nov'2016- Nov'2020: Risk Management Solutions, Noida
Growth Path:
Nov'2016 - Nov'2018: **Risk Analyst**
Nov'2018 - Nov'2020: **Senior Risk Analyst**
Nov'2020 - Nov'2022: **Technical Specialist**

Responsibilities:

- Lead industry exposure analysis, tapping niche markets and consulting with Lloyd's Syndicate underwriters for premium and loss estimates.
- Manage and train new hires in MS SQL, Tableau, Excel, re-insurance concepts, and catastrophic modeling.
- Enhanced client's underwriting practices by over 50%, focusing on risk selection, capacity management, and catastrophe-driven insights.
- Utilize Tableau for worldwide probable maximum loss due to major hurricanes and earthquakes, executing ETL via data pipelines.
- Create optimized Tableau dashboards for loss estimates, offering key metrics to senior management for data-driven decisions.
- Leverage Atlassian Tools (JIRA) for issue tracking and task management, ensuring team collaboration and efficient project completion.
- Develop and maintain portfolio reporting using MS SQL, Excel, and Tableau on a monthly and quarterly basis.

NOTABLE ACCOMPLISHMENTS ACROSS THE CAREER

- Recognized with an **'Excellence & Star Award' at EXL Service, Gurgaon 2024** for exceptional support and high-standard delivery.
- Achieved **'Best Team Award in Analytical Services' at EXL Service, Gurgaon 2023** for team setup and delivering client reports ahead of proposed timeline.
- Recipient of **'Excellence & Star Award' at Risk Management Solutions, Noida 2021** for exceptional support, high-standard delivery, and outstanding performance,
- Honored with **'Reward & Recognition Award' at Risk Management Solutions, Noida 2019** for exceptional leadership and excellence.
- Two-time recipient of **'Bravo Award' at Risk Management Solutions, Noida 2018** for leading teams and achieving excellence.