Bharat Maheshwari

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Experienced Engineering and Analytics professional with a Master's degree and 2 years of experience in a range of technical and analytical roles. Adept at developing and implementing innovative automation solutions, analytics, dashboards, monitoring, and data-driven insights to optimize business processes and drive operational efficiency. Strong technical background combined with a deep understanding of data analytics and business processes provides a unique skill set for driving positive impact in a fast-paced, data-driven environment.

Skills

- *Technical Skills: Familiarity with programming languages such as Python, knowledge of API integrations, platforms like Jira.*

- *Problem-Solving Skills: Ability to identify areas for automation, analyze processes, and develop automated solutions that streamline workflows and improve efficiency.*

- *Project Management: Experience managing projects from start to finish, including defining requirements, developing and testing automation solutions, and deploying and maintaining automation systems.*

- *Communication Skills: Ability to clearly communicate complex technical concepts to both technical and non-technical stakeholders, and effectively collaborate with team members and stakeholders to ensure successful project outcomes.*

- *Data Analytics: Familiarity with data analysis techniques and tools, including data management, visualization and dashboards, and the ability to use data to drive automation and recommendation decisions.*

- *Customer-Focus: Understanding of customer needs and the ability to develop automation solutions that meet those needs, improve customer satisfaction, and drive business results.*

- *Adaptability: Ability to adapt to changing requirements and new technologies, and continuously improve automation systems to meet evolving business needs.*

Experience

Wayfair *Galway, IE*   2021 – Present
Integration Analyst – Global Create – Global Supply Chain Integration

- **Business Intelligence** – Designed and developed finished data products for **reporting** and **monitoring** (used SQL, GBQ, and Looker Studio). Developed dashboards and tools that have **saved Wayfair $200k** last year in **operational expenditure**.

- **EDI Setups -** Automating data exchange for processing of order data, invoices, inventory feeds, and tracking data. Supported EDIFACT, ANSI-X12, and CSV Setups with Global suppliers. Accountable for processes, Supplier journeys, KPIs, Voice of Supplier information.

- **Data Engineering** – Designed and developed **ETL** processes to transform application and infrastructure logs into relational data. Developed monitoring capabilities using this data, which has potential to **save Wayfair more than $40k** in the coming year (used Python, Kibana API, GBQ and Looker Studio).

- **Data Analytics** – **Developed case studies** on impact of automation on supplier's **operational metrics**, which is helping Wayfair in marketing integration solutions to suppliers (used **statistical methods** such as Paired t-tests and Wilcoxon tests to study changes in supplier metrics before and after automation. Used SPSS software to run tests).

- **Automation** – Developed different automations and bots for the Global Supply Chain Integration team that help in improving monitoring processes, efficiency and capacity. In the last year alone, I have developed automations that will **save Wayfair more than $100k per year** in **operational expenditure** (Python, GBQ, Jira API, Slack)
  - **Automated Supplier Notifications** – Automated workflow which sends out emails to suppliers based on alerts and compliance issues.
  - **Automated Monitoring Alerts** – Automated alerts through Slack messaging system. Some automated alerting for failed orders has caught and highlighted more than a $100k worth of failed orders in a single month of January in 2023.
  - **Automated Language Translations on Tickets –** Bot that translates supplier facing comments on tickets from English to German.
  - **Help Centre Article Recommendation System –** Bot that compares ticket content with help center articles and provides recommendations based on similarity scores.

Freelancer ,IN   2018 – 2019
- Conducted comprehensive data analysis to drive decision-making and provided personalized recommendations to clients, resulting in improved operational efficiency and profitability. Successfully designed and implemented a reporting solution for a client that increased their understanding of customer behavior and led to a 20% increase in customer retention.
- Developed and deployed a data scraping process using Beautiful Soup, resulting in a 50% reduction in manual data collection efforts and improved accuracy of data analysis.
- Optimized MySQL databases for multiple clients, resulting in a 30% improvement in query performance and enhanced overall system reliability.

Education

Dublin Business School *Dublin, IE*   2019-2020
M.Sc. in Business Analytics
Courses:Applied Statistics and Machine Learning, Business Strategy, Programming for Analytics, Requirements Analysis, Data Mining, Databases and Statistics, Business Intelligence and Visualization, Project Management, Financial and Business Analytics.
Thesis: Sentiment Analysis on Starbucks Reviews Dataset
Key Accomplishments:
- Scraped reviews from diverse sources, including TripAdvisor and Yelp, employing the Beautiful Soup library in **Python**.
- Cleaned and tokenized the collected data to ensure its suitability for analysis.
- Developed and implemented various machine learning models, such as **SVC** and **NBC**, using libraries like **NLTK** and **Scikit Learn**.
- Incorporated both Bag of Words (BOW) and Part of Speech (POS) techniques for comprehensive analysis.
- Employed **Microsoft Power BI** to create interactive data visualizations and dashboards, enabling the presentation of results in an easily understandable format.
- Achieved enhanced accuracy in sentiment analysis through an iterative approach, involving model refinement and parameter tuning.
Language/Tools: Python3, Jupyter Notebook, Microsoft Power BI.

Pune University *Pune, IN*   2014 - 2018
Vishwakarma Institute Of Information Technology
Bachelors in Computer Engineering
Courses: Data Mining Technologies and Applications, Business Analytics and Intelligence, Cyber Security, Software Design Methodologies and Testing, Design and Analysis of Algorithms, Operating Systems, Data Structures, Microprocessor Architecture.

Certifications

- **"MTA: Security Fundamentals - Certified 2017", "Microsoft Certified: Dynamics 365 Fundamentals (MB-901)", and "Microsoft Certified: Azure Fundamentals" from Microsoft.**
- **"Applied Data Science with Python - Level 2", "Deep Learning Using TensorFlow", "Python for Data Science", "Data Visualization Using Python", "Data Science Methodologies" from IBM.**
- **"AI from the Data Center to the Edge – An Optimized Path Using Intel® Architecture"**
- **"Foundations: Data, Data, Everywhere" by Google offered through Coursera.**