

Chaitali Jawale

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Summary

Dedicated and results-oriented Data Scientist with a Post-Graduate Degree in Artificial Intelligence & Data Science, complemented by 2+ years of hands-on experience in data analytics and machine learning. Certified by Google in Data Analytics and IBM as a Data Science Professional. Proven expertise in data-driven decision-making, and development of high-performance machine learning models. Seeking to contribute my analytical skills, programming proficiency, and passion for data-driven decision-making to the team. Committed to delivering actionable insights and driving growth through data-driven strategies.

Certifications

- [IBM Data Science Professional](#)
- [Google Data Analytics Professional](#)
- [Machine Learning - Excel, R & Power BI](#)
- [Microsoft Power BI Data Analyst Professional](#)

Skills

Programming: Python – numpy, pandas, matplotlib, scikit learn, seaborn, R, PySpark

Database: SQL, MySQL, NoSQL

Data Visualization/Dashboard: PowerBI, Tableau

Data Analysis & Modelling: A/B testing, Hypothesis Testing, Statistical Modeling & analysis, Problem Solving, Data Quality, Data Modelling, Data Validation, Data Warehousing, Data Quality assurance

Machine Learning Algorithms: Supervised & Unsupervised Algorithms, Predictive modeling, Data cleaning, Self-learning algorithms, Descriptive statistics, Regression analysis, Time series analysis

Big Data: Hadoop, Kafka, Apache Spark

Data Engineering: Snowflake, ETL, Data Pipeline Development, Data Architecture Optimization

Cloud Platforms: GCP, AWS, Azure (Databricks)

Tools & Software: MS office, JIRA, Confluence, MIRO Board, Git, GitHub, GitLab, Docker

Collaboration & Communication: Excellent Collaboration, Oral, Written, and Interpersonal skills, Presentation skills, detail-oriented

Professional Experience

Data Analyst Intern, Apple, Toronto, ON

Sept'22 – Jan'23

- Via . Teleperformance. Analyzing large datasets, identified trends, and extracted meaningful insights.
- Managed and ensured data integrity and efficiency in datasets, streamlining data workflows.
- Utilized SQL, Python & Tableau for comprehensive data analysis, modeling, and visualization.
- Engineered SQL queries, including BigQuery, enhancing data accuracy by 15%.
- Contributed significantly to feature engineering, focusing on customer segmentation analysis.
- Designed user-friendly makefiles for local and Docker environments, streamlining setup processes.
- Assisted in analyzing customer data to identify patterns and preferences.
- Conducted data cleaning, transformation, and validation to ensure data accuracy.
- Collaborated with the team to develop predictive models for customer churn.
- Presented findings and recommendations to senior management through reports and presentations.
- Designed and executed live A/B experiments to evaluate pricing strategies, providing actionable recommendations based on analysis results.

Data Scientist | System Engineer, Atos-Syntel (Full Time)

Nov'19 – Dec'21

- Utilized Python for data preprocessing, feature engineering, and model evaluation, achieving a 25% improvement in inventory forecasting accuracy.
- Optimized SQL queries and conducted A/B testing using Python, leading to a 10% reduction in query response time.
- Used Tableau and Power BI dashboards to enable data-driven decision-making and trend visualization.
- Managed end-to-end AI/ML model pipeline, ensuring high-quality model development and deployment, resulting in a 20% increase in model accuracy.
- Applied advanced time series forecasting techniques, improving forecasting accuracy by 30%.
- Crafted data reports and visualizations for stakeholder communication, leading to improved decision-making.
- Led training and development of new team members and improved supply chain standards, resulting in increased team efficiency and recognition for mentoring.
- Collected and processed data from various sources for research purposes.
- Developed statistical models to analyze research data and draw conclusions.

Education

Postgraduate in AI and Data Science, Loyalist College, Toronto

Jan'22 – Aug'23

Grades: 82.17%, Dean's List*

Relevant Coursework: Machine Learning, Statistics, Python, Data visualization- PowerBI, Tableau, R Studio, Statistical modelling & inference, Project Management, Deep Learning, Computer vision, SQL, Data Story Telling, Advanced Analytics, Business intelligence, Microsoft Azure, NLP, Data warehousing, IOT

B.E Computer Science, JNEC, India

July'15 – June'19

Academic Projects

Logistics Data Analytics: Case Study - [Tableau Dashboard](#)

- Utilized advanced data analysis techniques to optimize logistics operations, reducing transportation costs and improving delivery times.
- Conducted data visualization and reporting, facilitating informed decision-making and reducing inventory holding costs.
- Improved overall data quality by 30% through robust data preprocessing, cleaning, and transformation.
- Demonstrated the impact of data-driven recommendations on logistics efficiency - [GitHub Repo Link](#)

TensorFlow: Deep Learning Model for Image Classification - Endangered Animals

- Implemented advanced image classification techniques, achieving accurate detection and reducing poaching incidents
- Addressed data labeling and model optimization challenges using transfer learning and data augmentation
- Showcased model's impact on conservation efforts & potential applications in wildlife preservation. - [GitHub Repo Link](#)

Spotify: Songs Dataset to predict Like vs Dislikes

- Utilized machine learning models (XGBoost, Logistic Regression) to predict song preferences based on audio features
- Emphasized the potential for personalization in music recommendations, aligning with data-driven decision-making
- Developed feature engineering techniques that led to a 20% improvement in model accuracy, enhancing the quality of song recommendations for users.
- Conducted A/B testing to refine model performance - [Kaggle link](#)