Tejswini S Jaware

Data Scientist

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Leveraging extensive expertise in data analysis, machine learning, and statistical modeling to deliver innovative solutions that drive organizational success and enhance data-driven decision-making across various sectors.

🎓 Education

Sant Gadge Baba Amravati University (SGBAU)
B.E – Electronics and Telecommunication Engineering

▦ Core Competencies

- Predictive Analytics
- Statistical Modeling
- Data Mining
- Natural Language Processing
- Data Engineering Principles
- Data Quality Assurance
- Data Governance
- Data Warehousing
- Performance Metrics Analysis
- Machine Learning
- Data Visualization
- Model Development
- Data Preprocessing
- Big Data Technologies
- Database Management
- Version Control
- Web Scraping
- ETL Processes & Data Pipelines
- Agile & Scrum Methodologies

👤 Profile Summary

- Data-driven professional with nearly 2 years of comprehensive experience in the field of data science, specializing in data analysis, machine learning, and statistical modeling across various industries, demonstrating a strong ability to extract insights from complex datasets.
- Currently working as Python Data Scientist at Absolute Data, managing the complete data science project lifecycle and ensuring the delivery of high-quality analytical solutions.
- Cultivated a deep expertise in a wide array of machine learning algorithms and statistical methodologies, enhancing capabilities in predictive modeling, data mining, and data visualization through diverse professional experiences.
- Showcased exceptional leadership skills by promoting teamwork and collaboration among cross-functional teams, driving data-driven initiatives that align with organizational objectives and foster a culture of innovation.
- Comprehensive knowledge of various data management frameworks and tools, including proficiency in PySpark for big data analytics, enabling efficient handling and analysis of large datasets.

💼 Work Experience

Ju'23 – Present | **Data Scientist** | **Absolute Data**

Key Result Areas:

- Developed and implemented machine learning models for data analysis, predictive modeling, and anomaly detection across large structured and unstructured datasets.
- Utilized Python, Hadoop, Hive, and PySpark to process and analyze big data, improving processing efficiency and accuracy.
- Led data acquisition, cleaning, and engineering processes, ensuring high-quality datasets for analysis and model building.
- Designed and optimized statistical models (decision trees, regression, clustering) and applied dimensionality reduction techniques (PCA, Factor Analysis).
- Built and tested predictive models using ROC plots, K-fold cross-validation, and model comparison techniques for enhanced performance evaluation.
- Transformed business requirements into analytical models, developed algorithms, and built data mining solutions to handle large volumes of data.
- Performed data manipulation and preparation, utilizing techniques like regex, merging, reshaping, and feature scaling for model readiness.
- Implemented and optimized machine learning algorithms, including LDA, Naive Bayes, Random Forest, SVM, and neural networks for diverse analytical tasks.
- Created interactive visualizations and dashboards using Tableau, enabling data-driven decision-making and reporting.
- Extracted and analyzed data from various sources (Oracle, SQL Server, DB2) and provided insights for internal project tracking via JIRA.
- Collaborated with cross-functional teams to design and implement solutions for data analytics, reporting, and business intelligence applications.
- Enhanced reporting capabilities by creating ad-hoc reports, pivot tables, and OLAP reports for stakeholders.
- Demonstrated strong problem-solving skills and ability to communicate complex findings effectively to both technical and non-technical teams.

⚙ Technical Skills

- Programming Languages: Python, R, SQL, JavaScript, HTML, CSS
- Data Analysis & Visualization: Pandas, NumPy, Matplotlib,
- Seaborn, Tableau, Power BI
- Machine Learning & Deep Learning: Scikit-learn, TensorFlow,
- Keras, PyTorch.
- Database Management: MySQL, Oracle 10g, MongoDB
- Web Development: Django, Flask, RESTful APIs
- Version Control: Git, Git hub
- Analytic Tools: PySpark
- Automation & Pipelines: Docker, Jenkins
- Server Management: Linux, Apache
- Cloud Computing: AWS EC2, S3
- Operating Systems: Windows, Red hat Linux
- IDE s/ Development Tools: PyCharm

💼 Internship

Jul'22 - Dec'22 | **Intern** | **Orgaveda Group**

Key Result Areas:

- Performed data preprocessing tasks, including cleaning, feature selection, and transformation, to ensure high-quality datasets for analysis and modeling.
- Developed predictive models using machine learning techniques such as regression, classification, and clustering to address key business challenges.
- Created data visualization dashboards using Tableau and Python libraries (Matplotlib, Seaborn) to present actionable insights to stakeholders.
- Conducted exploratory data analysis (EDA) to identify trends, patterns, and anomalies within large datasets.
- Worked on natural language processing (NLP) projects, including text classification and sentiment analysis, to extract valuable insights from unstructured data.
- Assisted in web scraping efforts to collect and process data from online sources using tools like BeautifulSoup and Scrapy.
- Collaborated with cross-functional teams to support data-driven decision-making and deliver impactful insights.

💼 Projects

- **Project Name: Buyer Initiated Payment - BIP**
  o Vertical: Payments Gateway
  o Client: PaymentExpress, Australia
  o Technology & Tool: Python, Pyspark, Spark SQL, Plotly, Dash, Postman, Microsoft Azure, Docker, ETL, ML, Statistical Analysis
  o Roles: Python Data Scientist/Python Backend Web Developer
  o Detail Project Overview and Workflow: BIP is a secure payment gateway that processes electronic credit card and ACH transactions for businesses, similar to a POS terminal. It encrypts sensitive data like credit card and ACH details, ensuring confidentiality and compliance. BIP facilitates seamless, secure payment processing by transferring payment information to acquiring banks, reducing business liability. Transactions are swift, initiated via websites, ERPs, or third-party applications, with customers interacting through a secure payment page.

- **Project Name: Intelligent Metrics**
  o Vertical: Payments Analytics
  o Client: PaymentExpress, Australia
  o Technology & Tool: Python, Pyspark, Spark SQL, Plotly, Dash, Postman, Microsoft Azure, Docker, ETL, ML, Statistical Analysis
  o Roles: Python Data Scientist
  o Detail Project Overview and Workflow: Intelligent Metrics is a payment analytics software designed to track online payments for e-commerce and subscription-based businesses. It consolidates payment data from multiple sources to monitor customer transactions. Primarily used by accounting professionals to manage revenue and by sales managers to assess the effectiveness of sales strategies.

- **Project Name: Network Equipment Synchronisation**
  o Vertical: Telecom OSS – Provisioning & Activation [Inventory Management]
  o Technology & Tool: Python, Django REST, Oracle, GIT, REST Web Services, Pandas, ETL, Statistical Analysis
  o Role: Python Data Scientist/Python Backend Web Developer Intern
  o Project Overview: Contributed to a telecom OSS project focused on provisioning and activation of network equipment for inventory management. The project involved optimizing Cisco Catalyst 9300 switches to ensure secure, scalable, and efficient operations in IoT and cloud environments.

📇 Personal Details

Address : Urban Bank Colony, Jalgaon Jamod Road Near Railway Gate, Ward No 1 Nandura Dist. Buldhana, Maharashtra 443404

Date of Birth : 18th May 2000

Languages Known : English, Hindi, Marathi