

PRATHMESH ROY

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PROFESSIONAL SUMMARY

Data Analyst with 2.8 years of experience in data analysis, predictive modeling, machine learning, and dashboard development. Proficient in SQL, Python, Power BI, and Tableau. Skilled in data cleaning, statistical analysis, workflow automation, and applying AI and machine learning algorithms to deliver actionable business insights. Strong problem-solving, communication, and teamwork abilities.

SKILLS

Programming & Databases: Python, R, SQL, MySQL, PostgreSQL, MongoDB

Data & Analytics Tools: Power BI, Tableau, Advanced Excel, Google Sheets

Machine Learning & AI: Predictive Modeling, NLP, Classification, Regression, Random Forest, Logistic Regression

Big Data & Cloud: AWS (EC2, S3), Hadoop, Spark

ETL & Automation: Python Scripting, Data Wrangling, Cleaning, Workflow Scheduling, Airflow, Talend

Data Formats & APIs: JSON, XML, CSV Parsing, REST APIs

Statistical Methods: Hypothesis Testing, A/B Testing, Regression Analysis

Soft Skills: Communication, Requirement Gathering, Problem-Solving, Cross-functional Collaboration, Process Optimization

WORK EXPERIENCE

Techborn IT Solutions

January 2023 – Present

Data Analyst

- Utilized **Python** and **SQL** to conduct comprehensive data analysis on large datasets, identifying key trends and insights that enhanced data-driven decision-making by **25%**.
- Developed and validated predictive analytics models using Python, achieving **90%** accuracy to improve business forecasting and strategic planning.
- Designed and maintained interactive dashboards with **Power BI** and **Tableau**, resulting in a **40%** reduction in reporting turnaround time.
- Automated data workflows and reporting processes using **Python scripting** and scheduling tools, increasing operational efficiency by **30%** and generating annual savings of **\$15K**.
- Collaborated with cross-functional teams to implement **data-driven** solutions, optimizing business processes and improving overall **efficiency** by **20%**.
- Delivered comprehensive client reports with actionable insights, contributing to a **95% client satisfaction rate**.

PROJECT

Personalized Insurance Price Prediction System

- Analyzed large insurance datasets to identify customer behavior patterns and pricing drivers, enabling **data-driven** risk assessment and policy pricing strategies.
- Developed** and validated Python-based **Machine Learning models** achieving **90%** accuracy for premium prediction and customer segmentation.
- Designed **Power BI** dashboards and automated **SQL/Python** reporting pipelines, reducing manual reporting by **40%** and improving operational efficiency by **30%**.
- Performed data cleaning, feature engineering, and model evaluation to ensure high model accuracy and reliability.
- Collaborated with cross-functional teams and maintained comprehensive documentation to align analytics solutions with **business objectives**.

Automated News Credibility Analyzer

- Utilized advanced **NLP** techniques and comprehensive text preprocessing on large-scale datasets to accurately identify and analyze patterns of misinformation.
- Developed and validated machine learning models (Logistic Regression, Random Forest) achieving **99%** accuracy.
- Automated data pipelines using **Python** and **SQL**, ensuring **99.9%** data accuracy and efficient reporting.
- Created **Power BI** dashboards to visualize news credibility and trends, reducing manual review time by **40%**.
- Collaborated with cross-functional teams to ensure analytics solutions effectively supported **business goals**.

EDUCATION

JSPM's Jayawantrao Sawant College of Engineering, Pune

Bachelor of Electronics and Telecommunication Engineering (CGPA:8.9/10)

July 2019 – July 2023

Pune, India