

SHASHANK RAWAT

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Data enthusiast with over five years of experience in data analysis, visualization, and predictive modeling, excelling at delivering data-driven insights to enhance decision-making and operations.

Technical Proficiencies

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|--------------------------------|----------------------|---|
| • Python | • Azure | • ETL Processes |
| • R Programming Language | • Agile Methodology | • Statistical Analysis |
| • SQL(T-SQL, PL/SQL) | • Data Analysis | • Hypothesis Testing |
| • Tableau | • Data Visualisation | • Machine Learning Algorithms |
| • Power BI (DAX/Data Modeling) | • Reporting | • Collaboration and Teamwork |
| • Advanced MS Excel(VBA) | • Data Governance | • Strong Communication and Interpersonal Skills |

Professional Experience

Senior Executive – Operations Analyst

Micronz Incorporation | Dehradun

October 2017 – January 2020

- Led data analysis initiatives using advanced Excel and Power BI to track KPIs, improving team productivity by 25% through data-driven decision-making.
- Developed ETL processes and data models in Power BI, generating reports that enhanced stakeholder communication and satisfaction by 30%.
- Analyzed inventory data to optimise stock levels, reducing excess inventory by 10% and minimising costs by 5%.

Executive – Operations Analyst

Micronz Incorporation | Dehradun

September 2015 – September 2017

- Maintained client requirements and inventory data in Excel with 99% accuracy, ensuring timely updates.
- Analyzed sales and operational data to forecast demand, improving inventory management by 15%.
- Created data visualisations in Tableau for monthly performance metrics, facilitating decision-making and enhancing marketing campaign efficiencies by 15%.

Projects

Credit Card Fraud Detection System

University of Essex

- Developed an adaptive fraud detection system, improving accuracy by 19% and reducing false positives by 15%.
- Conducted extensive data pre-processing and implemented feature engineering techniques, enhancing data quality by 30%.
- Utilized Python (pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Keras, TensorFlow) and MS-SQL Server to assess model performance with metrics such as ROC AUC and Precision-Recall.

Sports Data Analysis

- Utilized Advanced Excel and Tableau to analyse sports data, identifying key performance indicators (KPIs) to optimise team strategies and enhance player performance
- Presented findings through interactive dashboards, facilitating improvements in decision-making processes for the coaching staff.

Education

MSc. Data Science
University of Essex

October 2023

Grade – First Division

- Strong foundation in applied statistics and modelling experimental data.
- Proficiency in data analysis, cleaning, and visualisation using Python, R, and SQL.
- Skills in Machine Learning, including regression, classification, clustering, Natural Language Processing and deep learning algorithms.
- Skills leveraging big data technologies and analytics for financial modelling, risk assessment, and data-driven decision-making.

Certification and Internship

PwC Switzerland Power BI Job Simulation on Forage

July 2024

- Developed advanced Power BI dashboards to effectively visualise KPIs and address client data needs, showcasing strong data visualisation skills.
- Delivered concise and informative email communications with engagement partners, providing actionable insights and recommendations based on data analysis.
- Analyzed HR data to identify and address gender balance issues at the executive management level, demonstrating a commitment to data-driven decision-making and problem-solving.

Accenture North America Data Analytics and Visualization Job Simulation.

April 2024

- Completed a data analyst simulation for a hypothetical social media client at Accenture, cleaning, modelling, and analysing 7 datasets to uncover content trends for strategic decisions.
- Created a PowerPoint and video presentation to effectively communicate key insights to the client and internal stakeholders.

Machine learning to Deep Learning: Remote sensing data classification.

July 2021

Indian Institute of Remote Sensing, Dehradun (ISRO).

Data Science Internship at The Spark Foundation.

October 2020

Business Analytics Certification, MedTourEasy.

November 2020

Certified Data Analyst (Excel, SQL and Tableau), Analytix Labs.

July 2020