SHASHANK RAWAT

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SKILLS

- **Programming Language: Python** (pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, NLTK, Keras), R, C
- **Data Visualisation:** Power BI (DAX, Data Modeling), Tableau, Advanced Excel
- **Relational Databases & SQL:** MS SQL Server, PostgreSQL, SQLite
- **Data Processing:** ETL Processes, Data Cleaning, Feature Engineering
- **Machine Learning:** Regression, Classification, Clustering, NLP, Deep Learning
- **Tools & Technologies:** Azure, Git, Advanced Excel (Pivot Table, LOOKUPS, VBA)
- **Data Management & Analysis Techniques:** Agile, Data Governance, Hypothesis Testing, Statistical Analysis

EDUCATION

MSC. DATA SCIENCE – University of Essex – Colchester, UK | Grade: 2:1   Oct 2023

Majors: Applied Statistics, Databases, Data Analysis and Modeling, Data Visualization, Machine Learning, Big Data Analytics

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%.**
- Improved data quality by **30%** through advanced pre-processing and feature engineering techniques.
- Utilized **MS SQL Server** and **Python** for data processing and data modeling, used **ROC AUC** for Model Evaluation.

Bank Loan Analysis | *Finance Domain*

- Developed an SQL-based **Bank Loan Reporting System** to identify patterns in good vs. bad loans.
- Designed interactive **Tableau dashboards** for intuitive loan trend insights.
- Enabled data-driven **decision-making** with enhanced loan performance analysis.

EXPERIENCE

CODESOFT – DATA ANALYST INTERN | INDIA   Aug 2024

- In a real-time project, conducted in-depth data analysis using **Python** and **SQL**, identifying trends that boosted **customer satisfaction by 30%** and **increased revenue by 25%** through data-driven recommendations.
- Created dynamic and insightful visualisations with **Matplotlib** and **Seaborn**, enhancing reporting accuracy by **20%** and improving stakeholder decision-making through clearer data interpretation.
- Developed and implemented predictive machine learning models in **Python**, leading to more accurate sales forecasting and optimizing business strategies for improved performance.

PWC POWER BI ANALYST - VIRTUAL INTERN|SWITZERLAND   Jul 2024

- Enhanced **Power BI** skills by creating dashboards that effectively visualised KPIs, improving client satisfaction by **20%** and aligning with their needs
- Delivered valuable insights through clear and concise **communication** with engagement partners, offering actionable suggestions based on data analysis.
- Analysed HR data to identify gender balance issues at the executive level, improving the accuracy of gender-related KPIs by **25%** and demonstrating a strong commitment to data-driven decision-making.

CERTIFICATION

- Machine learning to Deep Learning: Remote sensing data classification. |ISRO   Jul 2021
- Certified Data Analyst (Excel, SQL and Tableau) | ANALYTIXLABS   Jul 2020