

# RAHUL RAWAT

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## OBJECTIVE

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Data scientist with 1 year of experience in machine learning, deep learning, data analysis, and cloud computing (AWS), skilled in building predictive models, text analytics, and data processing to solve complex business challenges. Seeking to leverage expertise in AI and statistical modeling to contribute effectively to a data-driven organization.

## EXPERIENCE

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**Team Leader (Data Science)**  
Lambton College

**Jan 2024 – Present**  
*Mississauga, ON*

- Leading a team as a **Technical Leader** to develop a **FinTech RAG** model, integrating LLMs with real-time data retrieval systems for **financial analysis**. Currently overseeing architecture design, pipeline optimization, and NLP implementation to address complex FinTech challenges. [Project Link](#)
- Employed SQL for **data cleaning, feature engineering, exploratory data analysis (EDA)**, and **advanced querying**, including subqueries, to derive insights, standardize data formats, and create analytical summaries. [\(Project Link\)](#)
- Built a **stock price prediction model** using LSTM neural networks, providing actionable insights for short-term financial forecasting. [\(Project Link\)](#)

**Data Analyst**  
G Rawat Industries

**Jul 2022 – Nov 2023**  
*Chandigarh, India*

- **Collected, organized, and managed** an average of 500+ monthly data points on product availability, transport reliability, and inventory movement using Excel, enhancing **data accuracy** for logistics analysis and forecasting while ensuring precise record-keeping of raw materials and finished goods.
- **Conducted client** meetings to understand business requirements, present insights, and provide **data-driven recommendations**.
- **Designed and developed** interactive **Power BI dashboards** to track and visualize sales performance, improving the precision of the report to 95% for monthly purchase/sales data.

**Data Science Intern**  
Diginique TechLabs

**Jul 2021 – Aug 2021**  
*Remote, India*

- **Designed machine learning models** achieving a 90% average accuracy, surpassing industry benchmarks by 5%.
- Applied **data cleaning, preprocessing, and exploratory data analysis (EDA)** to optimize model performance.
- Enhanced AI model robustness and scalability through framework integration and performance optimization.

## PROJECTS

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**Data Analytics Playlist (GitHub):** Curated a **comprehensive Data Analytics Playlist** on GitHub, featuring multiple projects on **Data Visualization, Python, Data Analysis, and machine learning**. [\(Project Link\)](#)

**Tableau/Power BI Dashboards:** Developed interactive dashboards for college projects using Tableau and Power BI, analyzing financial performance, retail sales trends, and operational efficiency.

**Image Captioning model.** Developed an end-to-end Image Captioning model using **modular coding** in **PyTorch**, integrating **CNNs** for visual feature extraction, transfer learning for enhanced performance, and an **attention-based RNN** for generating meaningful, contextually rich captions. This project highlights a sophisticated blend of **computer vision** and **NLP**, bridging the gap between visual content and natural language understanding. [\(Project Link\)](#)

## TECHNICAL SKILLS

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**Data Analysis & Visualization:** Expert in data mining, exploratory data analysis (EDA), and dashboard development using Power BI and Tableau. Proficient in PySpark for large dataset processing.

**Familiarity with financial tools:** Bloomberg Terminal, VBA for Excel automation.

**Programming:** Python (Pandas, NumPy, Matplotlib for data analysis; PyTorch/TensorFlow for advanced modeling), SQL, NoSQL.

**Tools:** Neural Networks (CNN, RNN, LSTM), Natural Language Processing (NLP), Large Language Models SQL/MongoDB for database management, Git for version control, Jupyter Notebooks for iterative analysis, AWS (S3, SageMaker) for cloud-based workflows.

**Collaboration & Reporting:** Git, Jupyter Notebooks, Streamlit, AWS Skilled in translating complex data insights into actionable reports for cross-functional teams. Experienced in Streamlit for interactive data app prototyping.

## EDUCATION

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**Postgraduate Certificate in Big Data Analytics, Lambton College** **Expected 2025**  
**Coursework:** Big Data Tools, Neural Networks and Deep Learning, Big Data Algorithms and Statistics, Big Data Visualization, Natural Language Processing and Social Media Analytics, NoSQL.

**Bachelor of Science in Mathematics, Panjab University** **Jul 2019 – Aug 2022**  
Achieved 77% overall with 85% in mathematics courses.

## CERTIFICATIONS

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- Machine Learning Specialization: [Verify the certification here.](#)
- TensorFlow Developer: [Verify the certification here.](#)