RAHUL RAWAT

+1(647) 219-1487 ⋄ Mississauga, ON
rahulrawat272chd@gmail.com ⋄ www.linkedin.com/in/rahul148 ⋄ https://github.com/RawatRahul14

OBJECTIVE

Data Scientist with 1-year experience in Machine Learning, Deep Learning, Data Analysis and Cloud Computing, 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.

EDUCATION

Post Graduation in Big Data Analytics, Lambton College — Expected 2025
Relevant Coursework: Big Data Tools, Introduction to AI, Big Data Algorithm and Statistics.

Bachelor of Science, Panjab University — 2019 - 2022
Academics: Achieved 77% overall with 85% in Mathematics courses

SKILLS

Programming	Python (NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch), SQL.
Data Analysis	Data Wrangling, Exploratory Data Analysis (EDA), Data Visualization (Power BI, Tableau).
Machine Learning	Ensemble Models, Neural Networks (CNN, RNN, LSTM), Natural Language Processing.
Tools	Git, Jupyter Notebooks, Streamlit, Docker.

EXPERIENCE

Team Leader(Data Science) — Jan 2024 - Aug 2024
Lambton College — *Mississauga, ON*

- Led a team in an end-to-end, modular project to develop heart attack prediction models, achieving over 80% accuracy with a Multi-Layer Perceptron (MLP) and over 90% with a Random Forest model, optimized through hyperparameter tuning.
- Developed a stock price prediction model using time series analysis and LSTM neural networks to forecast short-term price movements, providing valuable insights for financial decision making.

Data Science Intern — July 2021 - Aug 2021
Diginique TechLabs — *Remote, India*

- Collaborated on building machine learning models that achieved a 90% average accuracy, surpassing industry benchmarks by 5%.
- Integrated frameworks to support advanced AI capabilities, enhancing model robustness and scalability.

PROJECTS

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)

PDF Conversational Assistant Engineered a Retrieval-Augmented Generation (RAG) PDF assistant leveraging Streamlit and a LLM through OpenAI, incorporating langchain and FAISS for vector storage and retrieval. This application extracts and processes PDF text in dynamic chunks, enabling context-aware, memory-based conversational interactions that combine document processing with interactive AI capabilities. (Project Link)

PROFESSIONAL CERTIFICATION

- Machine Learning Specialization (Verify the certification here.)
- TensorFlow Developer (Verify the certification here.)