

MANAN AGGARWAL

Machine Learning Engineer



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[Github Portfolio](#)



[Linkedin](#)

SUMMARY

2+ years of experience in deploying industry-grade Machine Learning models proficient in Git, Python, and software development. Streamlined software development processes by implementing Git version control system, increasing team productivity by 25%

EDUCATION

Memorial University of Newfoundland

Major: Machine Learning

2023– 2024

Lovely Professional University

Bachelor in Computer Science

2020– 2024

SKILLS

- MLOps
- Data Analysis & Visualization
- Process Improvement
- Continuous Integration (CI)
- Software Development
- Git/Github
- Python
- TensorFlow
- PyTorch
- NLP
- Deep Learning
- Cloud Computing
- Predictive Modeling
- Sci-kit-learn
- Pandas
- Numpy
- Scipy

ACHIEVEMENTS

- **1st Runner Up:** Tech-a-Thon, India's Largest Hackathon
- **2nd Runner Up:** Startup Hackathon, Punjab Government
- **Top 5:** Econext's Clean Growth Ideathon

PROFESSIONAL EXPERIENCE

Machine Learning Developer

MUN | Sep 2023 - Dec 2023

- Built and maintained reusable libraries and APIs, reducing code duplication and increasing development efficiency by 30%.
- Integrated MLflow into the CAIR system by IBM, revolutionizing model versioning and experiment tracking, resulting in a 25% increase in model accuracy.

Data Scientist

Vertocity | Jun 2022 - Sep 2023

- Processed and analysed large datasets, with data volumes exceeding 10 terabytes, using distributed computing tools, resulting in a 40% reduction in data processing time.
- Refactored predictive model prototypes into high-performance, production-ready solutions.

Data Engineer

LPU | Apr 2023 - May 2023

- Scraped the data of 100s of international universities, improving the course selection process and visibility by 60%.
- Created University and course availability dashboard, leading to a reduction of 50% TAT.

PROJECTS

Productify: The Productive Mail

- Developed a Gmail extension utilising Natural Language Processing (NLP) techniques for automatic email categorisation.
- Integrated Gmail API to access and analyse real-time email data for personalised categorisation.
- Implemented machine learning models (e.g., Multinomial Naive Bayes and TensorFlow) to consider email content, metadata, and parameters for classification.

The Insider: Trading Tool

- Developed a Python-based cryptocurrency prediction model using machine learning and data analysis.
- Utilised technologies like Python, scikit-learn, and real-time data feeds to make predictions and automate buying and selling decisions.
- Achieved profitable cryptocurrency trading by leveraging predictive algorithms and technical analysis.