



MANAN AGGARWAL

Machine Learning Engineer



[Espoo, Finland](#)



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[Github Portfolio](#)



[Linkedin](#)

SUMMARY

2+ years of experience in deploying industry-grade Machine Learning models and delivering value with data analysis proficient in Computer Vision, Git, Python, and software development. Developed and maintained reusable libraries and APIs, reducing code duplication and increasing development efficiency.

EDUCATION

Aalto University, Finland

MS in Data Science & Entrepreneurship | 2024-2026

Memorial University of Newfoundland

Exchange Semester | Sept. 2024– Jan. 2024

Lovely Professional University

Bachelor in Computer Science | 2020– 2024

SKILLS

- MLOps
- Data Analysis & Visualization
- Computer Vision
- 3D Vision
- Tensorflow
- Git/Github
- Python
- Agent-Based Modeling
- ROS
- NLP
- Deep Learning
- Cloud Computing
- Predictive Modeling
- Time-Series Analysis
- Statistical Analysis
- SQL
- Probabilistic Modeling
- Distributed ML Systems
- Research Aptitude
- Problem-Solving
- Strategic Thinking
- Teamwork

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

RESEARCH

- **Applications of ML in Fulfilling SDGs**
Jan 2024 – May 2024
- **STR: Speech-To-Text Recognition**
Jan 2023 – May 2023
- **Cloud Computing for HPC and Its Scientific Applications.**
Jan 2023 – May 2023

PROFESSIONAL EXPERIENCE

Computer Vision Researcher

NIPG-ELTE | Jan 2025 – Jun 2025

- Building multi-modal AI for transient object removal, object pose detection, semantic segmentation to generate a 3DDT model for a facility in collaboration with Bosch.

AI Engineer

LOT-ART | Jan 2025 – June 2025

- Developed a novel AI image similarity search model (IRR) for art auctions in collaboration with LOT-ART.

Senior Data Scientist

ProjectX.Cloud | Jan 2024 – Aug 2024

- Collaborated with cross-functional teams to integrate data science insights into product development and decision-making processes.

Machine Learning Developer

MUN | Sep 2023 – Dec 2023

- Developed and maintained reusable libraries and APIs, reducing code duplication and increasing development efficiency by 30%.
- Integrated MLflow into the CAIR system by IBM for model versioning and experiment tracking.

Data Scientist

Vertocity | Jun 2022 – Sep 2023

- Successfully 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

- Web-scraped the data of 100s of international universities.
- Maintained the financial report of student transactions.

PROJECTS

Trustledger

- Implemented machine learning models (e.g., Multinomial Naive Bayes and TensorFlow) to consider email content, metadata, and parameters for classification.

The Insider: Trading Tool

- Utilised technologies like Python, scikit-learn, and real-time data feeds to make predictions and automate buying and selling decisions.

REFERENCES

- Milan Madar, Chief Technology Officer, Lot-Art
| dev@lot-art.com
- Andras Lorincz, Professor (Faculty of Informatics), ELTE
| lorincz@inf.elte.hu