

Rahul Goyal

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📍 Indore, India

📁 Professional Experience

Machine Learning Engineer, Robotronix India

01/2022 – 01/2023

Indore, India

- Built a complete data pipeline from start to finish for a project that included data cleaning, data linking, and various calculations on over 10,00,000 records
- To run things efficiently, data linking and various steps of the project required the use of various pandas and python functions
- Worked on a Machine Learning-based research project, analyzing a large real-world dataset and studying various research papers on the subject to prepare methodology
- Applied various machine Learning and deep learning models (Linear Regression, Random Forest, LSTM, etc.) on the dataset to compare results and performance
- Improved results by 20 percent relative to the base paper
- Worked on Python and ML integration for the in-house Robot
- Made Face Recognition Project using Yolo and trigger word detection using python
- Made use of modules for different functionalities and implemented multiprocessing for the python integration

Virtual Finance Market Internship, Futures First

05/2020 – 06/2020

India

- Traded in Energy Markets on the Chicago Mercantile Exchange (CME) on Simulation of the Trading Technologies Platform
- Products were Futures (Outright and Spreads) of WTI Crude Oil, Heating Oil and RBOB
- Used resources of Refinitiv Eikon to perform Technical analysis and also for Candlestick Patterns
- Used Excel to try to build some signal generating strategies based on RSI, Moving Averages, etc.

📄 Certificates

FRM level 1 cleared in Nov 2021 held by GARP

Achieved top quartile in all four subjects

🎓 Education

B.Tech Chemical Engineering, Indian Institute of Technology Roorkee

07/2017 – 06/2021

Roorkee, India

CBSE XII, Sica School No.2

07/2014 – 06/2016

Indore, India

CBSE X, Sica School No.2

06/2014

Indore, India

🧠 Skills

- Python
- Pandas
- Machine Learning
- Data Analysis
- Deep Learning
- Finance
- SQL