



# G RAVINDERNATH YADAV

B. Tech – Metallurgy and Materials Engineering

Date of Birth: 09/07/2000

E-mail: ggrnathyadav2960@gmail.com

Contact: + 91-8978713329

[linkedin.com/in/g-ravindernath-yadav-424b3b195](https://www.linkedin.com/in/g-ravindernath-yadav-424b3b195)



## Educational Qualification

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2020-Present	B. Tech- MME	NIT, Trichy	8.16
2019	Class XII	Rashtriya Indian Military College, Dehradun, CBSE	76%
2017	Class X	Rashtriya Indian Military College, Dehradun, CBSE	8.8

## Academic Achievements

- Secured All India Rank 118 in UPSC National Defence Academy (NDA), Pune and joined NDA (boarded out due to medical injury).

## Internship Experience

- D'Well Research** Aug 2022 – Current  
Data analytics intern. Responsible for designing and maintaining data systems and databases. Mining data from primary and secondary sources. Using statistical tools to interpret data sets, paying particular attention to trends and patterns that could be valuable for diagnostic and predictive analytics efforts
- Yoshops** June 2022 – Aug 2022  
Data analytics and ML intern. Cleaning and analysing the current data to extract meaningful insights Create ML algorithms with improved accuracy. Automation of processes and web scraping.
- Rysecamp Technology Private Limited** Feb 2022 - Apr 2022  
Campus Leadership and Community Building Intern. Worked on Growing the community of users by engaging with students to gather feedback with a userbase of 150+ students. Provided recommendations for product and content strategy

## Projects

- Fraud Transaction detection on banking transactions** July 2022  
Created a Tree based ML model to identify the fraud transaction in the data. Read research papers to solve the class imbalance in data. Used T-links followed by random under sampling to handle the class imbalance and thereby improving the accuracy of the model
- Fake News Classifier and movie recommendation model** July 2022  
Classified fake news by pre-processing the data by using NLP packages such as nltk and spacy. Followed by classification using Navies Bayes model achieving an accuracy score of 75%. Pre-processed the raw data from the IMDB dataset into clean tokens after lemmatization. Recommended the movie like the user using the tf-idf and cosine similarity method.

- Predicting Diamond Prices** May 2022  
 Found the parameter affecting the diamond prices by EDA Created a Machine learning model (linear Regression) to predict the diamond prices based on the parameters. Improved the accuracy from 80% to 91.3% using hyper parameter tuning.
- Risk to Reward analysis using Sharpe Ratio** May 2022  
 Compared different investment opportunities among IT stocks listed on the National Stock Exchange and identified the best investment with lowest risk and highest reward, subsequently using the results to take positions. Employed the principles of Sharpe test and Data visualization.

## Technical Skills and Certifications

---

- Programming Languages: Python, JavaScript
- Other Software : SQL, Word, PowerPoint, Microsoft Excel, Microsoft BI, Tableau.
- Certifications : Feature Engineering for NLP, Supervised, Unsupervised Learning in Python

## Research Interests

---

Deep learning in Computer assisted radiology, Natural language processing to track patients' data, Improved Personalized customer experience using Machine learning, Recognition of hand writings to better evaluate the authenticity.

## Positions of Responsibility

---

- Manager at Social Council** Feb 2022 – Current  
 Social Council overlooks the societal aspects in and around the college campus. Coordinated with a team of over 100 students across multiple sub-teams for the smooth functioning of Council for **HumaNITTY**, a charity based weeklong donation drive for the needy which include raising of funds, organising, scheduling of event, crowd management.
- Member of the Prakruti Club:** Feb 2022 – Current  
 Prakruti is the NIT Trichy's animal welfare club which takes responsibility of stray inside the college campus. Part of the medical team which oversees the administration of pills and first aid. Tended to the injured and sick animals in the campus along with taking care of their basic requirement.
- Captain of the school hockey team** Jan 2019  
 Responsible for the proper functioning of the hockey team, their punctuality, attitude on the field and for organising the inter section hockey championship along with my colleagues. To maintain high motivational levels of the team and plan out the course of action for upcoming championships.

## Extracurricular Activities

---

### Social Activities:

- Active member of the national social service. Took part in clean India movement and planted plant saplings across the campus.
- Actively taking care of the stray animals and providing them with basic healthcare and amenities.

### Sport Activities:

- Won the inter section Hockey championship twice (captained both the times), lead my school team in district level hockey championship and was awarded with the best player and was awarded with a colour in hockey
- Secured medals in inter district athletic championship: bronze in 4X100m and came 4<sup>th</sup> in 400m (broke my personal best) and medals in inter section athletics championship: gold in 100m, 4X100 m relay, 400m and bronze in 4X400m relays.

### Adventure Activities:

- Attended the adventure course in Mountaineering consisting of a 117 km trek to Sandbach by Himalayan Mountaineering institute, Darjeeling
- Rafting in grade 3 rapids of river ganga organized by army sports and adventure wing in Rishikesh.