RAHUL GOYAL

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Delhi, India

Data Science Enthusiast

EDUCATION

M.Tech | IIT Delhi | CGPA 8.42 | Industrial Engineering | 2023-2025
- **Relevant Coursework**: Probability and Stats, Operations Research, Optimisation

B.Tech | Jamia Millia Islamia |CGPA 9.25 | Mechanical Engineering | 2019-2023

PROJECT PORTFOLIO

Optimal Placement of EV Charging Network
- Forecasted future demand from current available data .Formulated an Optimisation Model (MILP) and solved it to make locations and supply fulfillment decisions

Investigating Biasness' in News Reporting Using Sentiment Analysis and Hypothesis Testing
- Web Scraped BBC website to get columns values of news title , location , date , region,category.
- Then did a modified sentiment analysis to classify news article as Positive , Negative or Neutral.
- After this used hypothesis testing to investigate several bias questions like Is BBC biased against India?

Brain Tumor Detection using Deep Learning Networks
- Used CNN for feature extractor and then used feed forward neural network to classify type of tumor (or not).
- Showed better accuracy then when done without CNN.

RELEVANT WORKSHOPS AND TRAININGS

- NPTEL Introduction To Machine Learning by Prof Balaram Ravichandran , IIT Madras
- Short Term Training Program in AI and ML from Jamia Millia Islamia
- Power Bi Software Workshop by Skills Nation Jatan Shah
- 100 days of Machine Learning by CampusX from Youtube

SKILLS AND SOFTWARES

- **Python** , Libraries: NumPy , Pandas, Matplotlib, Scikit, Keras, Pytorch
- Hypothesis Testing, Machine Learning ,Deep Learning ,Natural Language Processing
- **Tools Used:**MS Excel,Jupyter, Spyder,Google Colab, Kaggle , MATLAB, Weka,Power Bi

EXTRA-CURRICULAR ACTIVITIES

- NCC Naval Wing B Certificate Holder
- Top Finalist in competition organized by Recruit Group(Glassdoor,Indeed) to formulate help them with business sector to enter Indian market.