# Kushal Agrawal

Energetic Data Science learner eager to learn extensive knowledge of Data Analysis , Data Science , Machine Learning , and Dedicated to work hard to make positive contributions. I'm a self motivated, hardworking and data driven ,high on integrity individual who believes in honesty and accountability. Novice in Data Science and Machine Learning, seeking opportunities to capitalize my analytical and interpersonal skills.

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📱 9411835148

🔖 www.kaggle.com/kushal1506

⚙ github.com/kushal150699

## EDUCATION

### Bachelors of Technology
Institute of Engineering and Technology,Lucknow

*2018 - 2022*                    *8.41 CGPA [Distinction with Honors]*

*Courses*
- Mechanical Engineering with specialization in Machine Learning.

### Intermediate
CBSE Board

*2016 - 2017*                                         *90%*

### High School
ICSE Board

*2014 - 2015*                                        *95.2 %*

## PROJECTS

**Performance Analysis of Diffuser Augmented Wind Turbine[Final Year Project]**
- This project deals with increasing the power output of a wind turbine by the use of diffuser.
- Worked on Designing of Diffuser's using Solidworks.

**Mechanism of Action Prediction  - Complete Walkthrogh Notebook [Kaggle] ⤤**
- Determined mechanism of action of a new drug based on the gene expression and cell viability information using models like RandomForestClassifier , Exploratory Data Analysis | Feature Engineering | Ensemble | Pytorch

**Cassava Leaf Disease Classification [Kaggle]**
- Classified each cassava image into four disease categories or a fifth category indicating a healthy leaf. Used Various Data Augmentation techniques and Various Pretrained Models like Resnet and EfficientNet .

**Food Vision 101 [Image Classification] ⤤**
- Classify 101 types of food items
- Tensorflow | Visualizations | Data Augmentation

**Titanic Survival Predictor [WebApp] ⤤**
- This WebApp takes some inputs from the user and predicts whether the passenger would survive the titanic Disaster or not.

**Predicting Sale Price of Bulldozer ⤤**
- Random Forest Regressor |RandomForest Classifier |EDA| HyperParameter Tuning |Feature Engineering |Feature Importance

## SKILLS

Python   Machine Learning   Data Science

C - Programming   SQL   Data Analysis

Data Visualization   Feature Engineering   Excel

Problem Solving

## ACHIEVEMENTS

AIR 3006 - Score 504
*GATE Computer Science 2022*

Top 2% MOA Competition

Top 3% Cassava competition

Kaggle Competition Expert - Global Rank 2882

kaggle Notebook Expert - Global rank 401

Certified NPTEL Star (MOOCS)

## INTERNSHIP

Mini Internship - Automatic Vehicle Counting and Classification

Ashok Automotive Sales & Service P.Limited.

## CERTIFICATES

Machine Learning by Andrew Ng (Stanford)(Coursera) ⤤

Python for Everybody (Specialization) (Coursera) ⤤

Deep Learning Specialization (Coursera) ⤤