# SONU KUMAR

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## M. Tech. | Industrial and Management Engineering | IIT Kanpur

## EDUCATION

| Qualification | Institute/Board | CGPA/Percentage | Year |
|---|---|---|---|
| M. Tech. (Industrial and Management Engineering) | IIT Kanpur | --- | 2022-2024 (Expected) |
| B. Tech. | BIT SINDRI | 80.70 % | 2016-2020 |
| Higher Secondary | CBSE | 80.40 % | 2015 |
| Secondary | CBSE | 10 CGPA | 2013 |

## PROJECTS

### CROP RECOMMENDATION SYSTEM | Self Project

- To build a classification model that can give crop recommendations on the bases of soil and weather.
- Interpretation of each and every attribute, and knowing of data like attribute data type, mean, median
- Exploratory data analysis using plots, heat-map using pandas, matplotlib and seaborn.
- Applied Logistic regression machine learning model using Sci-kit Learn Library and analysed the result with a **confusion matrix.**
- With **Logistic regression** model we got the accuracy as 98% and found out that Lentil shows the lowest precision and recall.

## WORK EXPERIENCE

**SNL Bearings Ltd. (Subsidiary Company of NRB Bearings Ltd.), Ranchi from feb'21 to feb'22**

**Graduate Engineer Trainee from feb'21 to feb'22**

- Worked in Operations.
- Overseen the end to end operational activities of the department with total responsibility of man power planning and chalking out work schedules.
- Successfully achieved expected volume of production without compromising on quality and cost by optimum utilization of man power.
- Experience of presenting daily reports and discussions in meetings.

## COURSE WORK AND SKILLS

| Relevant Courses | Data Mining and Knowledge Discovery* | Probability and Statistics*<br>Operations Research for Management*| Introduction to Computing* |
|---|---|
| Online Courses (Udemy) | The Data Science Course : Complete Data Science Bootcamp |
| Technical Skills | Python*\|SQL*\|PowerBI*\|MSExcel*\|Tableau*\|Java*<br>**Data Science and ML :** Numpy, Pandas, Scikit-learn, Matplotlib, Seaborn |

## ACHIEVEMENTS

- Secured **All India Rank 911** in GATE 2022 in Mechanical Engineering.
- Secured **All India Rank 84** in GATE 2022 in Production and Industrial Engineering.
- Qualified JEE Advanced 2016 with **All India Rank of 16834**.
- Secured **Common Merit Rank 75** in Jharkhand Combined Entrance Competitive Examination, 2016.

*Ongoing/Under Progress

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Github: https://github.com/sk4sonu