



KRISHAN KUMAR

MTech | Department of Management Science | IIT Kanpur

 krishank24@iitk.ac.in
 [Krishan Bansal Linkdin](#)
Contact No. 9306500854

EDUCATION DETAILS

YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	CGPA / %
2024*	M. Tech. Department of Management Science	Indian Institute of Technology Kanpur	-
2022	B.Tech. Mechanical Engineering	J.C.Bose University of Science and Technology, YMCA, Faridabad	8.7
2018	Higher Secondary Education	Govt. Sr. Sec. School	94 %
2016	Secondary Education	Adarsh High School	95

Work Experience

Assistant Manager | R&D Drivetrain Department

Jul22 – Jul24

- Measured transmission efficiency in the **Drivetrain Testing department**.
- Conducted part-level endurance testing for component durability.
- Performed detailed **data measurement and analysis** post-testing.
- Collaborated with **team** members and effectively managed time to meet testing deadlines and project goals.

SELF PROJECTS

1. Health Insurance Medical Cost Prediction: Linear Regression

- There are 1338 unique customer records and 7 different attributes.
- Methodology involves sequential phases: **Exploratory Data Analysis, Data Preprocessing, Model Building, Model Validation**.
- The model was trained utilizing the training data, employing **Linear Regression**.
- Result: Mean Square Error (MSE) = 0.1873 , R square value : 0.77957.
- *Git Hub Link:* - [Linear Regression](#)

2. Predictive model that determines whether an internet user will click on an advertisement on a company website: Logistic Regression

- Visualized **distribution plots** and investigated multicollinearity through **correlation matrix** analysis.
- Applied **one-hot encoding** and conducted **outlier** removal using the **interquartile range method**.
- Conducted feature selection based on **p-values** and used **Statsmodels** and **Scikit-learn** to construct predictive models
- Achieved Test **accuracy** of **91%** and Test **F-1** score of **91%**
- *Git Hub Link:-* [Logistic Regression](#)

COURSEWORK AND SKILLS

Relevant Courses (Ongoing)	Statistical Modeling for Business Analysis Probability & Statistics Operations Research for Management Introduction to Computing
Certified Online Courses(Ongoing)	100 Days of Code: The Complete Python pro Bootcamp
Technical Skills	Python* Machine Learning* SQL* EDA MS Excel AMPL* POM-QM* Excel solver

ACHIEVEMENTS AND POSITION AND RESPONSIBILITIES

- Secured **AIR 7** in GATE 2024 Examination in **Engineering Science** conducted by IISc Bengaluru.
- Secured **AIR 886** in GATE 2024 Examination in **Mechanical Engineering** conducted by IISc Bengaluru.
- Secured **1st** Position in Zonal Level Science Exhibition in **12th** class.
- Event and party coordinator in my previous company.
- Member of **MNC (Media and Council)** team IIT KANPUR (DOMS)