# Ritik Kumar
## *Data Analyst*

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## Profile

Dynamic and results-oriented Data Analyst with a robust proficiency in Python programming, advanced statistical analysis, and machine learning algorithms. Possessing a proven track record of delivering actionable insights and innovative solutions to drive organizational success. Currently pursuing a Master's degree in Machine Learning and Artificial Intelligence to further augment expertise and stay abreast of industry trends.

Experienced in tackling diverse data challenges, from developing predictive models for heart disease detection to optimizing pricing strategies for supermarket chains. Skilled in synthesizing complex datasets and communicating findings effectively to stakeholders, facilitating informed decision-making.

Career Goal: Dedicated to leveraging cutting-edge technologies and analytical methodologies to drive business excellence and foster continuous innovation. Committed to delivering measurable value through data-driven insights and strategic recommendations. Seeking opportunities to contribute my expertise to high-impact projects and collaborate with industry leaders to shape the future of data science.

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## Professional Experience

**Data Science (Intern),** CodSoft                                    01/2024 – 02/2024
Worked on the Projects Credit Card Fraud Detection, Iris Flower Classification, and Titanic Survival Prediction

**Data Analyst (Intern),** Intellipaat Software Solutions                06/2023 – 12/2023
Worked on several projects like the Recommendation System of Netflix, Capstone Projects which include Sentiment analysis, Sales Forecasting, etc.

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## Education

**MS in Machine learning and Artificial Intelligence,** Liverpool John Moores University        11/2023 – present

**Advanced Certification in Data Analytics For Business,**        06/2023 – 03/2024
Indian Institute of Technology, Madras

**B.Sc. Mathematical Sciences,** University of Delhi        11/2020 – 06/2023

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## Skills

Python • SQL • Machine Learning • PowerBI • Time Series • KNIME • Excel

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## Certificates

- Internship Letter, Intellipaat Software Solutions ⊡
- Certificate of Completion ⊡
- Internship Completion Certificate ⊡

# Projects

**Capstone Project** ⬈
Completed a Capstone project which included Sentiment analysis, Sales Forecasting, Segmenting customer behavior etc. using time series, ML, and NLP techniques like
- segmentation
- lemmatization etc.
- Retrieved useful insights for business purposes.

**Netflix Recommendation System** ⬈
• Designed and implemented a personalized Recommendation Engine from scratch, leveraging user interests and ratings to generate tailored movie recommendations for each user.
• Utilized advanced algorithms and user data analysis to develop a robust system that offers curated movie suggestions, enhancing user experience and engagement on the platform.

**Heart Disease Prediction** ⬈
• Developed a predictive model to identify individuals with heart disease using a dataset containing various health metrics from heart patients, including age, blood pressure, and heart rate.
• Emphasized on maximizing recall for the positive class to ensure that the model accurately identifies all potential patients, considering the grave implications of missing a positive diagnosis in cardiovascular disease detection.

**Human Resource Analysis** ⬈
• Utilized advanced data analytics techniques to analyze employee attrition within the organization.
• Identified key factors impacting attrition rates, including age, job satisfaction, income, marital status, department, tenure, and distance from the premises.
• Developed predictive models using machine learning algorithms, Generated actionable recommendations to reduce attrition rates, leading to improved retention metrics and organizational effectiveness.

**Super Market Price Prediction** ⬈
• Developed a machine learning model to predict supermarket prices based on historical sales data and external factors.
• Achieved significant improvements in price prediction accuracy, leading to enhanced inventory management and pricing strategies for the supermarket.

# Languages

English    Hindi

# Interests

Cricket    Music    fitness