

# Ankit Kumar

+91 8757170724 • ank.ak2635@gmail.com • <https://www.linkedin.com/in/ankit2635/> • <https://ankak2635.github.io/>

## Summary

An analyst with experience in building and deploying data-intensive applications. Proficient in working with machine learning, deep learning algorithms and LLMs across diverse problems.

## Skills

Python · R · SQL · Tableau · MS Excel · Power BI · Data Visualization · Machine Learning · Deep Learning · Natural Language Processing · Feature Engineering · Web Scrapping · Statistics · Econometrics · Git · scikit-learn · PyTorch · Hugging Face · NLTK · Computer Vision · CNN · LLMs · Hugging Face · Flask · AWS

## Experience

Thomson Reuters	Bengaluru
Correspondent: North America Resources	07/2022 - 07/2023
<ul style="list-style-type: none"><li>Monitored North American resources (oil, gold, other metals) stocks.</li><li>Writing sector specific news : deals, earnings, production and many more.</li><li>Researching and writing about any news that moved sector's stocks.</li></ul>	
J-PAL South Asia	Bengaluru
Data Analyst (Intern)	06/2022 - 07/2022
<ul style="list-style-type: none"><li>Analyzed raw primary survey data for a research on behavioural nudges.</li><li>Led and mentored a team of college juniors; created analysis road-map.</li><li>Constructed Nutritional Deficiency Index from the data.</li></ul>	
Sri Satya Sai Annapoorna Trust	Bengaluru
Application Developer (Intern)	05/2021 - 06/2021
<ul style="list-style-type: none"><li>Created applications on Zoho Creator.</li><li>Develped the premature version of Employee Attendance application.</li><li>Proposed and embeded a Leave Tracker application within the Employee Attendance application.</li></ul>	

## Projects

### 1. Customer Churn Prediction

A python **web application** to predicts whether a company's customer will churn or not.

- Used the IBM Telco Churn dataset.
- Compares several classification models; optimized the selcted model by hyper-parameters tuning.
- The model achieved an **accuracy score** and **recall score** of 95% and 98% respectively.
- Created a flask application.
- Hosted the **web application** on AWS Elastic Beanstalk.

### 2. SQL: Danny's Diner Solved Use-Case

Solved the famous **Danny's Diner** case study using PostgreSQL

- Demonstrates SQL skills via implementation of basic SELECT, GROUP BY, and aggregations functions to advance JOINS, CTE, CASE, DENSE\_RANK and Windows function.

### 3. Sentiment and Emotion Analysis of Tweets

Classifies **sentiments and emotions** of self-collected tweets



- Used pre-trained **Hugging Face** LLM models on about 25,000 tweets mentioning @Dell.
- Explores the sentiments and emotions to figure out the positives and negatives of Dell's products and services.
- Interesting insights from wordcloud and further EDA.

## Education

Christ University	Bengaluru
Master of Arts in Applied Economics   GPA: <b>8.2</b> / 10	07/2020 - 05/2022
St. Xavier's College	Ranchi
Bachelor of Arts in Economics   GPA: <b>6.4</b> / 10	06/2020 - 05/2020

## Achievements

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-  **Research(under review for publication)**  
Conducted data-intensive research to obtain insight into state-wise nutritional deficiency of India and suggested policy measures.
-  **Guest Lecturer**  
Conducted a session to guide fellow researchers at Christ University on data-driven research.

## Languages

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English Proficient

Hindi Proficient

Nagpuri Proficient