

# Ankit Kumar

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## Summary

A data scientist experienced 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 • Excel • Power BI • Git • AWS • Flask • Streamlit • Data visualization • Analysis • Machine Learning • Deep Learning • NLP/Natural Language Processing • Computer Vision • Feature Engineering • Web Scrapping • Statistics • Econometrics • Web Scrapping • Matplotlib/Seaborn/ggplot • Pandas/Numpy/Scikit-learn • PyTorch • NLTK • Hugging Face • LLMs • CNN • cv2 • YOLO • OCR

## Projects

### 1. Licence Plate Reader

A **computer vision project** which reads vehicle's licence plate from a video

- The pre-trained YOLOv8 and SORT models detect and track vehicles through the given video, respectively.
- A custom trained model detects licence plates.
- Crops and processes the licence plate before reading it via EasyOCR.
- Optimizes the texts for accuracy and writes them as a data frame.
- Interpolates the dataframe to fill in the missing frames to obtain smooth video output.

### 2. Customer Churn Predictor

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

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

### 3. 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.

## Experience

### Thomson Reuters

Bengaluru

Correspondent: North America Resources

07/2022 - 07/2023

- Monitored North American resources (oil, gold, other metals) stocks.
- Writing sector specific news : deals, earnings, production and many more.
- Researching and writing about any news that moved sector's stocks.

### J-PAL South Asia

Bengaluru

Data Analyst (Intern)

06/2022 - 07/2022

- Cleaned, transformed and analyzed raw primary survey data for a research on behavioural nudges.
- Led and mentored a team of college juniors; created analysis road-map.
- Constructed sub-group wise Nutritional Deficiency Index from the data.

### Sri Satya Sai Annapoorna Trust

Bengaluru

Application Developer (Intern)



05/2021 - 06/2021

- Created applications on Zoho Creator platform.
- Developed the premature version of Employee Attendance application.
- I proposed and embedded a Leave Tracker application within the Employee Attendance application.

## Education

Christ University	Bengaluru
Master of Arts in Applied Economics   GPA: <b>8.2</b> / 10.0	2020 - 2022
St. Xavier's College	Ranchi
Bachelor of Arts in Economics   GPA: <b>6.4</b> / 10.0	2017 - 2020

## Achievements

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

English Proficient	Hindi Proficient	Nagpuri Proficient
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