

# AMRITESH KUMAR RAI

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## PROFESSIONAL SUMMARY

Microsoft and Google certified Data Analyst with over a year of project experience and a strong foundation in Economics and Statistics. Completed over 15 data analysis and data science projects, motivated by a drive to solve business problems through the application of machine learning and data analysis.

## RELEVANT EXPERIENCE

### Data Analyst Virtual Internship, Quantum

Aug 2024 - Sept 2024

- Analyzed over 246,000 transactions and conducted **A/B testing** using Python to assess how different store layouts and sales methods influenced customer purchases compared to trial stores.
- Identified customer segments and trends that suggested a potential **15% increase in sales** conversions for the chips category through targeted marketing strategies.

### Data Science Virtual Internship, Forage

Aug 2024 - Sep 2024

- Completed a customer churn analysis for BCG using Python and a random forest model with **85% accuracy**, delivering actionable insights in an executive summary for decision-making.

### Gurgaon Property Analysis Dashboard, Project

Dec 2023 - Feb 2024

- Collected data on 3,800+ Gurgaon properties through **web scraping**, conducted **EDA**, trained a Random Forest Regressor with 90% accuracy, and **developed a recommendation system** using cosine similarity.
- Developed a **Streamlit** dashboard featuring a GeoMap (via Plotly) and Word Cloud, deployed on **Amazon EC2**, reducing property search time by 25%.
- Project Link: <https://www.linkedin.com>

### Data Analyst Intern, SpeedForce

Jun 2023 - Nov 2023

- Developed a Python-based **inventory management system** that prioritized high-demand parts, ensuring essential inventory was acquired while minimizing unnecessary purchases, resulting in over a **10% sales increase**.

## CERTIFICATIONS

[Google Advanced Data Analytics](#) - Coursera

[SQL \(Advanced\)](#) - HackerRank

[Microsoft Power BI Data Analyst](#) - Coursera

[Google Data Analytics](#) - Coursera

[Machine Learning Specialization](#) - Coursera

[Financial Analysis and Modelling](#) - IIM Skills

## EDUCATION

### Data Science Trainee

Jun 2023 - Sep 2024

- Skillslash Academy

### Bachelor's degree in Economics

Sep 2019 - Sep 2022

- Jiwaji University, Gwalior

## ADDITIONAL INFORMATION

- Technical Skills:** Python, Machine Learning, MySQL, Power BI, Statistics, Financial Analysis
- Languages:** Hindi, English
- Achievement:** Successfully completed over 150 LeetCode challenges