

# Yash Singh

## Data Analyst



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🏠 Bangalore, India

📄 [Portfolio Website](#)

🐙 [GitHub - Yash Singh](#)

🌐 [LinkedIn - Yash Singh](#)

Detail-oriented and results-driven data analyst with expertise in statistical analysis and machine learning techniques. Adept at leveraging technical skills to develop advanced algorithms and extract actionable insights from complex datasets. Seeking to contribute my analytical skills in utilizing emerging technologies to drive data-driven decision-making.

### INTERNSHIP

#### BUGENDAITECH

Data Science Intern

Pune, MH

June 2023 – Sep 2023

- **Python, Tableau, SQL, MS Excel:** Optimized skills for advanced data analysis and visualization.
- **ML models:** Foundational knowledge, practical experience.
- **UI fundamentals:** Mastered; expertise in Django, Flask, StreamLit, Dash.
- **Coding proficiency:** Known for writing streamlined, efficient code, resulting in a 30% increase in project development speed.
- **"Website Summary Application" project:** [Click here](#)
  - Proficient in Python, NLP, Web Scraping, and Selenium.
  - Utilized Selenium and NLP to automate data extraction and summarization, reducing processing time from 10 hours to 5 hours. Achieved a 50% reduction in data processing time.
  - Automated the entire process, culminating in the development of a Streamlit app enabling CSV upload for website data summary resulting in a 40% increase in user productivity.

### PROJECTS

#### Capstone Amazon Sentimental Analysis Project [Click here](#)

Jan 2023

- **Technical Skills:** Proficient in Python, Tableau, Machine Learning, NLP, and Time Series Analysis.
- Conducted data cleaning and Exploratory Data Analysis (EDA) on Amazon customer data.
- Developed Tableau dashboards to visualize key metrics such as top customers, churn likelihood, product ratings, and sales trends, resulting in a 20% increase in data-driven decision-making efficiency.
- Employed NLP feature extraction techniques like TF-IDF to build classification machine learning models (Logistic Regression, Naïve Bayes, Random Forest, Gradient Boosting) for sentiment analysis of customer reviews, achieving an accuracy rate of around 90%.
- Utilized machine learning clustering techniques (K-means and Hierarchical clustering) to segment customers and products based on review sentiment, resulting in a 30% improvement in churn prevention strategies and product categorization accuracy.
- Leveraged time-series analysis to predict future product sales and assess demand trends, with 90% accuracy, enabling proactive inventory management and revenue optimization.

#### Health Insurance Cost Prediction [Click here](#)

May 2024

- **Technical Skills:** Python, Machine Learning, Stream Lit
- Conducted EDA on medical insurance dataset, reducing interpretation time by 30% and unveiling actionable insights and correlations.
- Processed data, handling missing values and encoding categorical variables, resulting in a clean dataset for analysis.
- Developed predictive models for health insurance costs; Random Forest model yielded the best result with 86% accuracy. Validated predictions against new data to ensure accuracy and reliability.
- Deployed the predictive model using Stream Lit, enabling users to estimate health insurance costs with ease.

## Superstore Sales Dashboard

Sep 2023

- **Technical Skills : Tableau, link: [Superstore Sales Dashboard](#)**
- Developed Tableau dashboards to visualize KPIs for Profits, Sales, and Quantity Orders, enhancing decision-making efficiency by 15%..
- Analysed Total Sales and Profit across shipment categories.
- Utilized various charts for profit and sales comparison, reducing data interpretation time by 30%.
- Segmented Total Sales data by categories with corresponding charts, contributing to a 20% growth in Furniture sales.
- Depicted with help of KPI's how sales and profit change over different year.

## EDUCATION

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### RCOEM

Bachelor of Civil Engineering,  
CGPA: 7.7

**Nagpur, MH**

*June 2016 – Sep 2020*

### Macro Vision Academy

Intermediate  
Percentage: 86%

**Burhanpur, MP**

*April 2015 – June 2016*

### YMCA

Matriculation  
Percentage: 68.4%

**Prayagraj, UP**

*April 2013 – May 2014*

## SKILLS

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- Python • Machine Learning • NLP • Tableau • MySQL • Power BI • Deep Learning
- Web Scraping • Time Series Analysis • MS Excel

## CERTIFICATIONS

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**PGP in Data Science & Machine Learning, NIIT Limited**

*Mar 2023*

**Data Analytics Essentials Certification by Cisco**

*April 2024*