

# Suyash Saxena

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**Phone:** 9582165990  
**Address:** BH-605, Amrapali Village, Nyay Khand-2,  
Indirapuram, Ghaziabad, Uttar Pradesh-201014  
**LinkedIn:** <https://www.linkedin.com/in/suyash-saxena-465012129/>  
**Email:** [suyash2896@gmail.com](mailto:suyash2896@gmail.com)

## EDUCATION

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### Ajay Kumar Garg Engineering College

2014-2018

Bachelor of Technology (Information Technology)

Percentage - 76.3%

### Mothers Global School

2014

12th CBSE Board Examination

Percentage - 90.8%

### Mother Teresa Public School

2012

10th CBSE Board Examination

CGPA - 10

## EXPERIENCE

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### Tidyquant Pvt. Ltd

Jan,2018 - Mar,2018

Data Scientist

- Vigorously coordinated with the director to get the first project for the firm.
- Developed classification and regressions models for multiple problems.
- Created and executed python script on AWS EC2 instance to perform market basket analysis.

### I Say Organic

Jun,2017 - Jul,2017

Data Analyst

- Performed data mining using apriori algorithm in R to create recommender system for the company.
- Developed a model which estimates next order date of customers using their last order date and order amount.
- Automated population of various reports such as RAG Analysis report for customer segmentation, Retention Calculation report.

### Taisys India Pvt Ltd

Jun,2016 - Jul,2016

Java Intern

- Programmed a method to check for duplicate requests which the user might make while using mobile banking solution of the company.
- Used hibernate to connect to company's database on Oracle.
- Implemented some banking APIs.

## PROJECTS

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### PRAI(PUBLIC RELATIONS ARTIFICIAL INTELLIGENCE)

<https://github.com/ssuyash28>

PRAI or Public Relations AI is a web based tool which fetches posts made by the user on his/her social media account and comments received on those posts.

It detects the objects in the image posts and analyses sentiment of the comments made on the posts to tell the user which objects trigger which sentiment.

### Development of search engine

<https://github.com/ssuyash28>

Web Scraping was performed for nearly 500 websites using 'rvest' package of R. Then performed content based filtering using VectorSpace model to filter out most appropriate links.

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## Sentiment analysis of speech

<https://github.com/ssuyash28>

Performed sentiment analysis on Donald Trump's presidential nomination speech and then extracted number of words which represent joy, surprise, trust and anticipation if sentiment was positive and number of words which represent sadness, anger, fear and disgust if result was negative.

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## Data Science challenges

<https://github.com/ssuyash28>

1. Analytics Vidhya's AB inBev data science challenge- Task was to forecast the demand volume of the product for each agency and recommend 2 products for new agencies. My model was a combination of time series and Random Forest. I secured 17th position out of 2541 participants.
  2. Kaggle Restaurant Revenue Prediction- Task was to predict revenue of a restaurant using various parameters. My submission score was equivalent to the score of 282nd rank holder out of 2257.
  3. Hackerearth energy usage prediction challenge- Task was to predict the energy usage for the day on the basis of the temperature and humidity in the rooms. My rank was 55 out of 1000 registered participants.
  4. Kaggle New York Trip Duration Problem- Based upon the pickup timestamp and coordinates of pickup location and drop location the trip duration is to be estimated. My predictive model had RMSLE value of 0.49.
  5. Kaggle Restaurant Visitors prediction- In this problem, I used time series approach as well as tried to solve the problem with regression approach.
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## Other Projects

<https://github.com/ssuyash28>

Developed a knowledge based sentiment analysis function for python, based on get\_sentiment function of 'syuzhet' package in R, since 'syuzhet' package is not available for python. Movie data analysis project which involved descriptive statistics methods to determine the target audience of a movie.

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## SKILLS

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Data Science:

- Ability to extract insights, knowledge and pattern from data in various forms, either structured or unstructured.
- Ability to perform predictive modelling using R and Python.
- Ability to create various types of graphs using R or Python for performing exploratory data analysis.
- Proficient in machine learning.

Other Languages- C, C++ and Java

Core Strengths:

- Communication
- Flexibility and Adaptability
- Learning Agility
- Stress handling
- Decision Making Skills

## ACHIEVEMENTS

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- Taught machine learning algorithms in a 2-day workshop in college.
- Coordinated a 5-day workshop on Apache Pig and Sqoop in AKGEC.
- Achieved 'A+' in Spanish language basic course from Swiss School of Language.
- Wrote an article for English daily "The Indian Express".
- Participated in ROBOTRIX'15 workshop.
- Ranked 1st in 7th National Cyber Olympiad".
- Participated and won in multiple competitions in school such as debate, presentations.
- Actively participated in a 5 days seminar at IIT Delhi.
- Participated in TCS IT wiz 2012 conducted at IIT Delhi.