

# ESHITA GOEL

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**GitHub:** [github.com/eshitagoel](https://github.com/eshitagoel) | **Blog:** <https://eshitagoel.medium.com/> | **Location:** London | **IELTS** 8.5/9

## EDUCATIONAL AND ACADEMIC QUALIFICATION

**M.Sc Data Science** – (Expected 2022)

**London School of Economics and Political Science (LSE)**

**Relevant Modules:** Managing and Visualising Data, Machine Learning and Data Mining, Data Analysis and Statistical Methods, Artificial Intelligence, Deep Learning, Distributed Computing for Big Data

**B.Sc (Hons) Mathematics** – (Graduated 2021, **1<sup>st</sup> Rank** in the University with CGPA **9.9/10**)

**St. Stephen's College, University of Delhi**

**Relevant Modules:** Probability and Statistics, Linear Algebra, Multivariable Calculus, C++ Programming, Databases, Discrete Mathematics, Linear Programming and Theory of Games

## WORK EXPERIENCE

**Data Science Intern, ZXservices**

May 2021 – Jun 2021

- Performed **Sentiment Analysis** on **800K text records** to create a metric for rating colleges
- Scraped data from over **750+ webpages** using **Beautiful Soup** and **Selenium**
- Cleaned and tagged over **32,000+ customer reviews** and stored them in a database using **Django**

**Skills Gained:** Web Scraping, Sentiment Analysis, Django ORM

**Content Development and Writing, Holidify**

June 2019

- Wrote **30+ articles** on their official website totalling more than **25000 words**
- Proposed strategies** to make travel planning easy and efficient through consolidated travel articles/brochures
- Met all deadlines before time, formatted the look of the articles on the website to make the website **attractive and engaging**

**Skills Gained:** Content Development, SEO

## VOLUNTEERING

**Analyst, Data 360**

Nov 2020 – Jun 2021

- Responsible for contributing to the monthly **Data Driven Newsletter**
- Wrote articles on **Data Science Algorithms, Machine Learning, Mathematics** and Data in Everyday Life

**Skills Gained:** Data Science Algorithms, Technical Writing

**Data Science Intern, The Sparks Foundation - Singapore**

August 2020

- Volunteered for **4 mini-projects** related to Data Science and Analytics
- Published in **Medium's Largest Active publication "The Startup"** with over **740K followers** for the articles written

**Skills Gained:** Machine Learning Algorithms – Linear Regression, K-Means Clustering, Decision Trees

## RECENT PROJECTS

**Web Scraping – Text and Images**

- Used **Beautiful Soup** to scrap Product Information from Flipkart.com for any product searched by the user
- Deployed the Review Scraper using **Heroku**
- Made an **Image Scraper** to scrap the specified number of Google Images for any keyword searched by user using **Selenium**

**Skills Gained:** Web Scraping, Beautiful Soup, Selenium, Heroku Deployment

**Titanic: EDA and Classification Algorithms**

- Performed Data Cleaning, Handling missing values, and EDA on the Titanic Dataset
- Explored how 7 different Classification Algorithms performed on the cleaned data

**Skills Gained:** EDA, Data Cleaning, Classification Algorithms

**Location Based Clustering & Application of Foursquare API**

- Scraped** and cleaned data from **Wikipedia** about Canadian neighbourhoods
- Extracted** location based data from **Foursquare API** (example: Top 100 attractions in a 700m radius of each location)
- Performed grouping and **K-Means Clustering** on the data to make clusters out of similar neighbourhoods

**Skills Gained:** Unsupervised Machine Learning, APIs

## SKILLS

**Languages:** Python, R, C++, HTML, Maxima, Mathematica

**Machine Learning:** Regression (Linear & Polynomial Regression, Ridge, Lasso and Elastic Net), Classification (Logistic Regression, Decision Trees, Random Forest, K-Nearest Neighbor, SVM, Naïve Bayes), Unsupervised (Clustering Techniques)

**Databases:** SQL, Python Django

**Deep Learning and NLP:** Sentiment Analysis using VADER

**Visualization:** Tableau, Matplotlib, Seaborn