

ESHITA GOEL

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GitHub: 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, **1st 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

London Air Quality Index (AQI) Analysis

- Performed **Data Extraction, Data Cleaning** and **Exploratory Data Analysis (EDA)** on London AQI related data
- Identified if London Boroughs can be grouped on the basis of Pollution Emissions through K-Means Clustering

Skills Gained: EDA, Data Extraction & Cleaning, Data Visualization (Plotly, Geopandas, Folium, Seaborn), K-Means Clustering

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

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