**Kriti Jaggi**

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# Profile

* **Strong technical skills:** Python, Angular, SQL
* **Drive to achieve:** Achieved Merit from Russell group University, Queen Mary University of London in Big Data Science. Secured GPA of 8.3 for Bachelor’s (4-year course) in Computer Science and Engineering.
* **Advanced Critical analysis:** Made existing code for the NGO’s website more modular and efficient on noticing same code for various components such as the nav-bar and footer was repeating on each webpage.
* **Excellent communication skills:** Developed over a year’s worth of technical experience at NGO, Schneider Electric and Cranfield University.

# Education

## Queen Mary University of London, MSc Big Data Science MARCH 2023

**Relevant Modules:** Applied Statistics, Information Retrieval, Big Data Processing, Cloud Computing, Data Mining, Risk and Decision Making for Data Science and AI, Principles of Machine Learning, NLP

**Manipal University,** BTech (4-year Bachelors) Computer Science and Engineering  **AUGUST 2021**

**Relevant Modules:** Data Structures, Design and Analysis of Algorithms, Object Oriented Programming, Database Systems, Operating Systems, Computer Networks, Parallel Computer Architecture and Programming, Compiler Design

# Technical Skills

* **Programming Languages:** Python, C, C#
* **Web Development**: HTML, CSS, JavaScript, Angular, Flask
* **Databases:** MongoDB, SQL
* **Data Science Libraries:** NumPy, Pandas, Scikit, NLTK
* **Analytics Methodologies:** Data Mining, Data Wrangling, Visualization, Statistical Modelling
* **ML Algorithms**: TF-IDF, k-means, hierarchical clustering, DBSCAN, regression models
* **Other Algorithms**: PageRank, Boolean model, vector space model
* **Software Tools:** git, Spark, Hadoop

# Experience

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| **WEB DEVELOPMENT VOLUNTEER | RHLF NGO, INDIA** |  | **(MARCH 2023- JUNE 2023)** |

* Developed website for non-profit empowering 100s of women and homeless using **HTML**/**CSS**/**JavaScript**.
* Implemented **responsive** **design** supporting mobile devices to expand audience reach.

## SOFTWARE ENGINEERING INTERN | SCHNEIDER ELECTRIC, INDIA (FEB 2021 – JULY 2021)

* Developed and implemented front-end UI using **Angular**8 for web application used by F&B beverage clients all over India.
* Wrote **unit tests** with 91% coverage to validate business logic code quality; enabled **refactoring** to optimize performance.
* Created **REST API** health check endpoints and documentation for **microservices** architecture with 3 core systems.

## SUMMER INTERN AT CRANFIELD UNIVERSITY (May 2020- Augist 2020)

* Built a data visualization web application in **C#** displaying engine simulation results through dynamic graphs and charts using **ggplot**.
* Cleaned and structured aircraft dataset using **Python**; created **SQL** database enabling rapid prototyping.