

**Anushka Saxena**

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## **Professional Goals**

Seeking a challenging position in a reputed organization where I can learn new skills, expand my knowledge, and leverage my learnings

## **Profile Summary**

- **Software Programming Languages:** C, Java, Python
- Knowledge of **Data Structure**.
- Knowledge of **Data Science**.
- Good knowledge of **Database Management System (DBMS)** and **Operating System (OS)**.

## **Educational Qualification**

- **B.Tech** in "Computer Science" from Babu Banarasi Das Institute of Technology and Management, Lucknow with an aggregate of **78.38%** (2019-2023).
- **12<sup>th</sup>** with aggregate **91.20%** from I.S.C. Board in 2019.
- **10<sup>th</sup>** with aggregate **91.83%** from I.C.S.E Board in 2017.

## **Professional Training**

### **1) Pursued Training in Data Science**

- ✓ Organization : DigiPodium
- ✓ Learning : Data Mining & Web Crawling using Selenium, Data Analysis through Numpy and Pandas, Data Visualization in 2D and 3D, Creating Frontend app through StreamLit, Video Processing through OpenCV.

### **2) Completed Training in Python Programming**

- ✓ Organization : Udemy
- ✓ Learning : Programming Basics, Data Structures (list, tuple, dictionary, set), Functions, Modules (os, math, datetime, random, pickle), lambda expressions, classes, objects, exception handling, File handling.

### **3) Completed training in Java Programming**

- ✓ Organization : Udemy
- ✓ Learning : Basics, Data Structures, Object Oriented Programming concepts, Generics, Collections (Lists, ArrayLists, LinkedLists), JavaFX.

## **Certifications:**

- IBM Python Data Science
- IBM Python 101 for Data Science
- Java Programming by Udemy.
- Python Programming by Udemy

## **Technical Knowledge**

### **Operating System**

- Knowledge of different types of operating system.
- Knowledge of processes and various CPU scheduling algorithms.
- Good Knowledge of concepts like deadlocks, memory management, file management, etc.

## **Database Management System (DBMS)**

- Knowledge of Relational Database, ER model, Normalization, Joins.
- Knowledge of DDL, DML, DCL and queries in SQL.
- Database implementation knowledge in MySQL.

## **Data Structure**

- Knowledge of linked list, array, stack and queue.
- Searching algorithms like: Linear search, binary search.
- Sorting algorithms like: Selection sort, Bubble sort, Quick sort, Insertion sort, Cyclic Sort, Heap sort and Merge sort.

## **Data Science:**

- Knowledge of Data Mining, Data Preprocessing and cleaning, Data Visualization, Image & Video Processing.

## **Java**

- Programming knowledge of various Java concepts like function overloading, function overriding, Collections etc.
- Proper knowledge of Object-Oriented Programming language concepts.

## **Python**

- Knowledge of Python strings, lists, tuples, dictionary, numbers, functions, loops, exception handling, classes and objects.

## **Projects Undertaken**

### **Simple Chat Room Simulator in Python:**

- ✓ It contains two python scripts server.py which handle client request and client.py that sends request and receive response from the server through socket communication.
- ✓ The server will establish connection between the servers and client through sockets.
- ✓ Communication through text can take place between two clients or between server and client.

### **Movie Recommendation System:**

- ✓ The model uses Content Based Recommendation to find similar movie.
- ✓ It uses a TMDB movie dataset from Kaggle.
- ✓ The frontend of the application is designed using StreamLit.

### **Video Subtitle Generator:**

- ✓ This model accepts a YouTube video URL or an Audio file and generates a transcript.
- ✓ You can also Download a subtitle file (.srt) that is accepted by many video players.
- ✓ The frontend of the application is designed using StreamLit.

## **Declaration:**

I hereby declare that all the information furnished herein is true and correct to the best of my knowledge and belief.

**Anushka Saxena**