

## Utkarsh Singh

utkarsh19805@gmail.com | (+91) 7521021991

[My LinkedIn Profile](#) 

[My GitHub Profile](#) 

### SKILLS

- **DSA using JAVA**
- **HTML, CSS, Java Script**
- **Data Analysis using R**
- **Data Preprocessing (R, Python), Data Visualization (Matplotlib, ggplot2)**

### EDUCATION

- ❖ **B tech in Computer Science with specialization in Data Science |**  
Vellore Institute of Technology *CGPA: 8.53 | (17/09/2022)*
- ❖ **XII (ISC) | St. Peter's School**  
94.5% | 2022
- ❖ **X(ICSE) | St. Peter's School**  
91.8% | 2020

### ACADEMIC PROJECTS

- ❖ **Nutrition Chatbot**  
Built using a fine-tuned Llama-3.2-3B-Instruct model, it answers conversational queries. It is based on decoder only transformer. Skills: Python, JavaScript, HTML, CSS.  
[GitHub link](#)
- ❖ **Mumbai Temperature Forecast**  
Live streaming analytics and data visualization using R Studio. Live temperature data refreshes every minute automatically. Data visualization is done using the Bar plot. Tools used - ggplot, R Studio, Open-Meteo API(Live API).  
[GitHub link](#)
- ❖ **Youtube Channel Analytics Dashboard**  
Developed an interactive dashboard using R, Shiny, and Plotly to fetch and visualize real - time YouTube channel statistics via the YouTube Data API v3. Implemented API integration, JSON data parsing, and dynamic UI rendering to support insightful data visualization for any specified channel.  
[GitHub link](#)

### ❖ **Hospital Management App**

The Hospital Management System (HMS) is a comprehensive software application designed to improve the efficiency of hospital operations. It deals with patient records, appointment scheduling, manpower allocation, and billings under automation. Tools used are various software engineering models like agile model , prototype model, etc.

[App prototype link](#)

### **ACHIEVEMENTS / HOBBIES**

- Got a completion certificate of java from Udemy.
- Attended a workshop of Microsoft Azure in AWS Solutions and Architect.
- Successfully completed multiple data science projects using Python and R, applying techniques such as data preprocessing, visualization, and machine learning.