

## Contact

Mumbai  
08459254163 (Mobile)  
sankalp.jain@somaiya.edu

[www.linkedin.com/in/sankalp-jain-610803193](https://www.linkedin.com/in/sankalp-jain-610803193) (LinkedIn)  
[github.com/Sankalp679](https://github.com/Sankalp679) (Portfolio)

## Top Skills

C++  
C (Programming Language)  
SQL

## Languages

Marathi (Professional Working)  
Hindi (Native or Bilingual)  
English (Full Professional)

## Certifications

Advanced Styling with Responsive Design  
Problem Solving (Basic)  
Interactivity with JavaScript  
Programming for Everybody Getting Started with Python  
Python Data Structures

## Publications

Outbreak Prediction of COVID-19 Patients for Dense and Populated Countries Using Machine Learning

# SANKALP JAIN

Web Development Intern at Dbug Technicals  
Mumbai

## Summary

Electronics and Telecommunications Engineer in the morning and Computer Science Engineer in the evening. Currently preparing for getting an internship and placement in a product-based company. I know HTML, CSS, Javascript, Anime.js, SEO, SQL, and Machine Learning. I have studied core CSE subjects like Operating System (OS), Database Management System (DBMS).

I recently worked as a web development intern in an IT-based company Dbug Technicals and there I am involved in designing the user interface, SEO, and animations(Anime.js) of the website and there we are following the mobile-first approach while designing the website and are designing the website using HTML, CSS, JavaScript which are the core tools for building the front-end of the website. You can see the website we are building here <https://test.dibugg.com/html/>.

I have recently completed a web development internship in an educational startup Larnation and there I was involved in designing the user interface of the website and there we followed the mobile-first approach while designing the website and designed the website using HTML, CSS, JavaScript, and Bootstrap which are the core tools for building the front-end of the website. You can find the website that we designed here <https://larnation2020.herokuapp.com/>.

I have a publication on "Outbreak Prediction of COVID-19 Patients for Dense and Populated Countries Using Machine Learning" published in Springer Natures Annals of Data Science (AODS).

I am a self-learner, I like to code, I may not be the best but I like to give my 100 percent in everything that I do. I like to do programming and I like to learn new things. Interested in software developer roles.

My Technical Skills :

1. Front End Technologies : HTML, CSS, JavaScript(basic), Anime.js, Bootstrap, SEO
2. Programming Languages: C++, Python
3. Database: SQL
4. Machine Learning

Core CSE Subjects :

1. Operating System (OS)
2. Database Management System (DBMS)

---

## Experience

### Debug Technicals

#### Web Development Intern

January 2021 - Present (3 months)

Mumbai, Maharashtra, India

Debug Technicals is a company that helps to reach business objectives by studying business from every angle and helps with branding, marketing, accounting, and development. They provide - Website/Application development, design solutions that include web design (UI/UX), visual design and graphic design, digital marketing - brand strategy, branding, social media marketing, email marketing, SEO, financial reporting, taxation, auditing, and many solutions to enhance online business.

#### Achievements/Tasks:-

1. Involved in designing the user interface of the website.
2. Followed the mobile-first approach while designing the website.
3. Designed the website using HTML5, CSS3, Javascript, Anime.js, and Browser Stack which are the core tools for building the frontend of the website.
4. Learned to animate website using CSS and Anime.js.
5. Done Search Engine Optimization(SEO) for the website.
6. Learned how to test the website using Browser Stack.
7. Coordinated well with the frontend team.

### Learnation

#### Web Development Intern

September 2020 - October 2020 (2 months)

Mumbai, Maharashtra, India

Learnation is a startup where students can work and earn as teachers by teaching juniors and helping them in academics and technical courses. Students who want to learn can avail of the benefits of this service at a nominal price.

Website: <https://learnation2020.herokuapp.com/>

#### Achievements/Tasks:-

1. Involved in designing the user interface of the website.
2. Followed the mobile-first approach while designing the website.

3. Designed the website using HTML5, CSS3, Javascript, and Bootstrap which are the core tools for building the frontend of the website.
4. Learned how to manage, use, and share code using version control like GitHub.
5. Coordinated well with the frontend and backend team.

KJ Somaiya College of Engineering, Vidyavihar  
Machine Learning Intern  
June 2020 - July 2020 (2 months)  
Mumbai, Maharashtra, India

Paper: <https://link.springer.com/article/10.1007/s40745-020-00314-9>

Achievements/Tasks:-

1. Worked on the research paper with my team and professors on "Outbreak prediction of COVID-19 patients for dense and populated countries using machine learning".
2. Done data preprocessing and data cleaning.
3. Built various machine learning models like Support Vector Regressor, Bayesian Ridge Polynomial Regressor, Linear Regressor Polynomial, XGBoost Regressor, Random Forest Regressor to determine the total number of COVID-19 patients admitted on a particular day for different dense and populated countries.
4. Done data visualizations using seaborn, matplotlib, plotly to visualize the data in a better manner.
5. Worked with Random Search CV and Grid Search CV to get the best set of parameters for our dataset.
6. Achieved the highest accuracy of 99.93% for prediction of COVID-19 cases on a particular day in India using the above models and few other models of my teammates.
7. Submitted our research paper for review to SSRN.
8. Research Paper made during internship got published in Springer-Nature journal "Annals of Data Science".

Indian Society for Technical Education  
Joint Technical Head  
August 2019 - June 2020 (11 months)  
KJSCE

KJ Somaiya College of Engineering, Vidyavihar  
Software Intern  
August 2019 - August 2019 (1 month)

Mumbai, Maharashtra, India

Built a hospital bill generation system based on C programming.

---

## Education

KJ Somaiya College of Engineering, Vidyavihar

Bachelor of Technology - BTech, Telecommunications

Engineering · (2018 - 2022)