

ADITYA SEHGAL

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BIO:

I am an enthusiastic and diligent Computer Engineer, who is ready to take up new challenges. I am passionate about new technologies as well as getting insights from data and the way it affects users. I believe having a deep understanding of a few skills is of paramount importance rather than having multiple skills without proper understanding.

EDUCATIONAL QUALIFICATIONS:

Bachelor of Technology:

[2017-2021]

CGPA: 9.19/10

K.J. Somaiya College of Engineering, Mumbai

Major: Computer Engineering

Higher Secondary Certificate:

[2015 - 2017]

Percentage - 88%

IES Junior College, Mumbai.

Indian Certificate of Secondary Education:

[2005-2015]

Percentage - 95.33%

St. Gregorios High School, Mumbai.

SKILLS:

Languages: C, Java, Python, HTML5, CSS3, JavaScript, PHP, R (Basic), MATLAB

Frameworks/Library: React.js, Flask, Node.js, Redux, Spring, SpringMVC, numpy, pandas

Database: MySQL, PostgreSQL, SQLite, MongoDB

Operating Systems: Windows, Linux **Other Skills:** git, github, web-scraping, algorithms & data structures

FINAL YEAR PROJECT: CareNet (2020-2021)

Description: As my final year project we proposed a system which helps people in diagnosing Diabetes and Pneumonia at an earlier stage, using machine learning and deep learning respectively, and also helps them overcome it by providing recommendations to prevent/fight the disease. Patient health could also be checked and the patient receives a score based on health parameters such as height, BMI, sleep etc. He/She also receives recommendations on how to improve health parameters to get them within recommended range.

ACADEMIC & PERSONAL PROJECTS:

Hindi-Scraper - Python script that uses web scraping and scrapes the entire text from the website and performs analysis on it and identifies the hindi % for each line. Finally outputting only hindi text.

Tech Stack: python, BeautifulSoup.

Covid-19 Tracker website - A covid-19 tracker which tracks the number of cases globally . It also tracks statewise and district wise cases in India , along with a line chart showing state data made using Chart.js

Link: <https://letstrackcovid19.herokuapp.com/>

Tech Stack: HTML, CSS, Javascript, Chart.js.

NewsReader app - A mobile app that provides the latest global news along with filters for other categories. The app can read any news item to the user by converting TextToSpeech on button click.
Tech Stack: HTML, CSS, Javascript, Ionic framework.

Voice based Doctor's prescription - Built a website to assist doctors to give a voice prescription. It allows the doctor to talk to the patient naturally and records parts of speech based on certain keywords. The prescription could then be mailed to the patient securely
Tech Stack: HTML, CSS, Javascript, python, NLTK.

Whatsapp Chat Analysis - Performed analysis on a group Whatsapp chat of mine to find information like who sent the most texts, emojis and what time of the day they were active the most.
Tech Stack: python, numpy, pandas.

M.S.Dhoni ODI Stat Analysis - I analysed a dataset of cricket ODI matches played by M.S.Dhoni and drew some interesting conclusions like the fact that he has scored the most runs against Sri Lanka and in how many innings did he finish the game not out.
Tech Stack: python, numpy, pandas.

INTERNSHIP: Jus Tech (2019-2020)

Created a website during the internship for an NGO that allowed them to track and distribute packets of food to patients, thus making the process smooth.

WORK EXPERIENCE: Accenture Solutions Private Limited (June 2021 - present)

Designation: Application Development Analyst.

Roles and Responsibilities: I am currently working on the front end of an internal use dashboard like tool, using React.js and Redux, to help users track their expenses and progress.

RESEARCH PAPER: Presaging The Signs Of Diabetes Using Machine Learning Algorithms

I presented this paper in the 12 International Conference on Computing, Communication and Networking Technologies, held at Indian Institute of Technology, Kharagpur, India [6th - 8th July, 2021]. The paper was based on the use and comparison of different Machine Learning algorithms for the prognosis of Diabetes.

Paper Link : <https://ieeexplore.ieee.org/document/9579669>

CERTIFICATES:

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1. SQL for Data Science - Coursera (2021) - [Link](#)
 2. React.js - Coursera (2020) - [Link](#)
 3. Problem Solving - Hackerrank (2020) - [Link](#)

EXTRA CURRICULAR ACTIVITIES:

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1. Part of the organizing committee for our college festival as well as my department football team.
 2. Part of core Event team of my college math club - **Emfinity** (2017-2019)
 3. I'm a speedcuber - Solving the rubik's cube with an avg time of 30 sec.
 4. Part of the team in The Computer Society of India(CSI) in my college.
 5. I love teaching coding and maths to high school students.