

# SANCHIT ARORA

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## EDUCATION

### Manipal Institute of Technology

B.Tech. in Information Technology,

CGPA (6 semesters) : 7.95

*Courses:* Software Engineering, Internet Tools & Tech, Data Warehousing, Operating Systems, Embedded Systems

*Manipal, IN  
July 2017 - May 2021(expected)*

### Montfort School, Ashok Vihar

AISSCE (PCM + Computer Science), Percentage: 93.8%

*Delhi, IN  
April 2015 - March 2017*

## WORK EXPERIENCE

- **Science & Technology Intern, NITI Aayog:** Developed a complex application form for the 'Mentor of Change' program by Atal Innovation Mission using PHP, MySQL & Bootstrap *June 2019 - July 2019*
- **Django Web Developer, India Young Foundation:** Developed the IYF website with functionalities such as Mailing System and Payment (Paytm API) *May 2020 - June 2020*
- **Web Developer, Delhi's Guardians:** Developed the DG website using Wix with functionalities such as automatic mailing system, booking system and Instagram integration *June 2020 - July 2020*

## PERSONAL PROJECTS

- **Hacker NewsPaper:** Hacker News' 'Ask HN' column with newspaper like UI developed using **ReactJS, CSS & Hacker News API** (May 2020)
- **Sky pixel detection in outdoor imagery:** Developed using **pre-trained PSPNet segmentation model, TensorFlow, Keras, NumPy & Matplotlib**. The model takes input as hundreds of temporal images taken from a fixed perspective and gives an output image which marks the sky area in white and other areas in black (January 2020)
- **Categorising a given set of parameters for star/galaxy/quasar using TensorFlow, Keras, & Tkinter.** Trained using Keras sequential model. The trained model is then used for prediction through Tkinter GUI. (January 2019)
- **Spielen Android App:** Developed with **Android Studio, Firebase & Java**. Spielen is a platform for sports enthusiasts to connect and play sports together. (Group of 2) (March - June 2020)
- **Library Management System:** Developed using **Python, Tkinter and SQLite3** (June 2018)
- **Snake game on terminal:** Made using **C++ and libraries such as time.h & windows.h** (May 2018)

## MOOCS

- **Responsive Web Design** by University of London *June 2019*
- **Neural Networks & Deep Learning** by deeplearning.ai *Jan. 2019*
- **Technical Support Fundamentals** by Google *June 2018*

## TECHNICAL SKILLS

- **Programming Languages:** Python, C/C++, Java, MATLAB, HTML, CSS, JS, PHP, SQL, Embedded C
- **Technologies:** Django, Tensorflow, Flask, Keras, Snowflake, Tkinter, SQLite, ReactJS, Hugo, Git, MySQL
- **Software Tools:** Android Studio, VS Code, Code::Blocks

## POSITIONS OF RESPONSIBILITY

### Technical Head, The Astronomy Club

*Aug. 2019 - July 2020*

- Headed the 3 technical projects: Data Science Project, Optical Telescope Project and Star Tracker Project
- Developed the **Astronomy Club website** using PHP and PostgreSQL

### Vice President, Converge Clan

*Aug. 2016 - Feb. 2017*

- Represented my school on various tech competitions

## INTERESTS

- Playing string instruments like the bass, acoustic guitar & ukulele
- Playing games such as football, badminton & table tennis