SANCHIT ARORA

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EDUCATION

Manipal Institute of Technology *Manipal, IN*
B.Tech. in Information Technology, *July 2017 - May 2021(expected)*
CGPA (6 semesters) : 7.95
Courses: Software Engineering, Internet Tools & Tech, Data Warehousing, Operating Systems, Embedded Systems

Montfort School, Ashok Vihar *Delhi, IN*
AISSCE (PCM + Computer Science), Percentage: 93.8% *April 2015 - March 2017*

WORK EXPERIENCE

· **Science & Technology Intern, NITI Aayog:** Developed a complex application form for *June 2019 - July 2019*
the 'Mentor of Change' program by Atal Innovation Mission using PHP, MySQL & Bootstrap

· **Django Web Developer, India Young Foundation:** Developed the IYF website with *May 2020 - June 2020*
functionalities such as Mailing System and Payment (Paytm API)

· **Web Developer, Delhi's Guardians:** Developed the DG website using Wix with *June 2020 - July 2020*
functionalities such as automatic mailing system, booking system and Instragram integration

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 Unet segmentation models (TensorFlow + Keras), NumPy & Matplotlib**. The model takes input as hundreds of temporal images taken from a fixed perspective and gives an output image which colors the sky in white and other areas in black (January 2020)

· Categorising a given set of parameters for star/galaxy/quasar: **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 and 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 and windows.h** (May 2018)

MOOCS

· Neural Networks & Deep Learning by deeplearning.ai *January 2019*
· Responsive Web Design by University of London *June 2019*
· Technical Support Fundamentals by Google *June 2018*
· Big Data Integration & Processing *April 2020*

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 - Jul. 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