GAURAV ARORA

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SOCIAL MEDIA

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PROFILE

Inquisitive, energetic computer science specialist, with a strong foundation in maths, programming logic, and algorithms. Passionate about Data science and love to explore the applications of Machine Learning in daily life. Good exposure to C++ and Python.

EDUCATION

08.2017 - present	**Maharaja Surajmal Institute of Technology** *Computer Science Engineering* *CGPA - 9.47*

EXPERIENCE

06.2018 - 07.2018	**Coding Elements** *Student Assistant* *I have done a course on python for data science from Coding Elements where I also worked as a student assistant. Here I learned the basics of python and Data Science. During this period I also applied my knowledge of Machine Learning on the various data sets available on Kaggle.*
06.2019 - 07.2019	**Applied AI** *Industrial training* *The training was divided into 5 categories* *1) Mathematics(Lineare algebra, probability and statistics)* *2) Exploratory Data Analysis (EDA)* *3) Machine Learning* *4) Deep Learning algorithms* *5) SQL* *Learned the maths and intuition behind various machine learning approaches and how to deal with data effectively.*
06.2019 - 07.2019	**Delhi Technological University (DTU)** *Summer Research Intern* *Worked on improving the performance of machine learning algorithms on imbalanced dataset.*
07.2019 - 09.2019	**AITS (AI Tech Systems)** *Machine Learning Intern (Virtual Internship)* *Worked on the project - " House prediction using neural networks" .*

PUBLICATIONS

Long Short Term Memory network for recognition of daily human activity publication description - EAI (February 2020)

- *This research paper proposed a neural network architecture based on LSTM for the recognition of daily human activity.*

CERTIFICATIONS

- *Tableau Desktop Specialist*

SOFTWARE SKILLS

Algorithms

Data Structures

C++

Python

C

SQL

Tableau

PROJECTS

Human Activity Recognition
- *Based on the data recorded by gyroscope and accelerometer we have to predict the movement of the person, whether he is standing, walking, laying, walking upwards, walking downwards or sitting.*

Salary Prediction-
- *In this project, salaries are being predicted in an office of different levels and hierarchy in a corporate.*

AI Chatbot and IVR System -
- *In this project, I worked on creating an AI-powered chatbot using open source platform RASA, Dialogflow for PGI, Chandigarh website which could be integrated with Facebook, Twitter and Slack*

SKILLS

✔ *Good verbal and written communication skills*

✔ *Excellent conceptual and analytical skills*

✔ *Effective interpersonal, communication and relationship-building skills*

INDEPENEDENT COURSEWORK

- *Machine Learning and Deep Learning Specialization - Stanford University (Coursera)*
- *Data Visualization with Tableau Specialization - UC DAVIS (Coursera)*

HOBBY

Volleyball   *Music*