

# Aryan Jain

[aryanjain28.github.io](https://aryanjain28.github.io)

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## Areas Of Interest

Data Science | Machine Learning |  
Computer Vision | Sequence  
Modeling | Reinforcement  
Learning | Deep Learning

## Skills

### DATA SCIENCE | ML CONCEPTS

Statistical Modelling |  
Classification Algorithms | Neural  
Networks | Deep learning | Object  
Detection | Basics of Genetic  
Algorithms

### PROGRAMMING

Python | Java | Android  
Programming C | C++ | HTML |  
JavaScript | CSS | Node.js |  
Express.js | SQL | MongoDB

### IT CONCEPTS

Operating System Concepts |  
Data Structures and Algorithms |  
Object-Oriented Programming |  
Cloud Computing | Database  
Management Systems | Data  
Mining Design and analysis of  
algorithms

### SOFTWARE AND TOOLS

Pandas | Numpy | Matplotlib |  
Scikit-Learn | Tensorflow | Keras |  
MS Excel | Linux | Windows | Git  
and GitHub

## Education

### BACHELOR OF ENGINEERING (INFORMATION TECHNOLOGY) *(current)*

- I Year : 8.42 CGPA
- II Year : 8.00 CGPA

HSC (12<sup>th</sup> Grade) : 77.6% *(2016)*

## Experience

### INTERN – BACK END DEVELOPER | WOLFFKRAFT DESIGN STUDIO, PUNE

(December 2019 – March 2020)

Worked as a back end web developer to assist in building company's two major project. Worked on various mean stack technologies like node.js, mongodb, express.js. Also gained experience on different cloud platforms like AWS, mongodb-Atlas, GoogleCloud.

## Projects

**Indian Roads - Object Detection using Android** : An android application that detects objects that are usually found on Indian roads. I used the TF-Lite model in this application and downloaded image categories from COCO dataset. [Link](#)  
Tools Used : Python, Tensorflow, Keras, Pygame, Numpy, Matplotlib, etc.

**Image Caption Generator** : Trained a model architecture comprising of CNN+RNN, studied and applied concepts of LSTM and GRU. Basically the model generates the caption of the activity occurring in image. [Link](#)  
Tools Used : Python, Tensorflow, Keras, Tkinter, VGG16, Xception, etc.

**CIFAR-10 Image Classification with 90% accuracy** : Managed to get 90% model accuracy on CIFAR-10 dataset where highest accuracy ever recorded is 96% using regular CNN architecture. [Link](#)  
Tools Used : Python, Tensorflow, Keras, Pygame, Numpy, Matplotlib, etc.

**Digit Recognition** : Created a GUI application that predicts the digit drawn over it. Used regular-NN instead of CNN, as I wanted to test it's prediction over CNN. Managed to get an accuracy of 93%. [Link](#)  
Tools Used : Python, Tensorflow, Keras, Tkinter, Numpy, Matplotlib, etc.

**Movie Review Prediction (Sentiment Analysis)** : Studied concepts of RNN and LSTM, and trained a model to predict the sentiments behind a movie review. It is my beginner's project towards RNN, LSTM and GRU. [Link](#)  
Tools Used : JAVA, Google Firebase, Google Maps API, etc.

**Flappy Bird Game using Genetic Algorithm (NEAT)** : Studied and applied concepts of Genetic algorithm – NEAT and applied it over a popular game Flappy Bird. This turned out as an interesting project where the program learnt itself to play the game and maintain the highest score. [Link](#)  
Tools Used : Python, Pygame, NEAT, etc.

## Links

GitHub : [/aryanjain28](#)

Blogs : [/blogs](#)

Linkedin : [/aryanjain28](#)

Twitter : [/Aryan\\_Jain28](#)

## Personal Details

Name : Aryan Jain

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DOB : 28 December, 1997

Languages : English, Hindi.

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Gulabara, Chhindwara, M.P.

**Live location tracing Android App** : Created an android app that tracks real-time location of users that are online. The app use Google Firebase for it's data storage and Google maps. User has to register oneself in order to use it.  
Tools Used : JAVA, Google Firebase, Google Maps API, etc. [Link](#)

## Blogs

### **R-CNN, Fast R-CNN, Faster R-**

**CNN**: Computer vision is an interdisciplinary field that has been gaining huge amounts of traction in the recent years(since CNN) and self-driving cars have taken centre stage. Another integral part of ... [Link](#)

### **Convolution Neural Network**

**(CNN)** : Artificial Intelligence has been witnessing a monumental growth in bridging the gap between the capabilities ... [Link](#)

## Certifications & Achievements

- Under 3000 ranking in Python section in Hackerrank.
- Gold Badge in Algorithm section in Hackerrank.
- **Certificate** : DeepLearning.ai | Deep Learning Specialization [Link](#)
- **Certificate** : IBM | Python for Data Science [Link](#)
- **Certificate** : Core JAVA & C++ | Seed Infotech, Pune.

## Extra- Curricular

- Volunteer for "Animal Care" foundation organised by local groups.
- Event Coordinator for college tech-fest in year 2018.
- Member of "Save Planet" campaign.