

# Aman Singhal

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## AREA OF INTERESTS

Data Structures and Algorithms, Competitive Programming, Machine and Deep learning, Django Development.

## EDUCATION

2017-2021 (expected)	<b>Bachelors of Technology (B. Tech) in Computer Science and Engineering,</b> Jaypee Institute of Information Technology, Noida, <b>CGPA 7.0/10</b>
2016	<b>XII (Senior Secondary Examination),</b> CBSE, American School of Baroda, Vadodara, <b>80%.</b>
2014	<b>X (Secondary Examination),</b> CBSE, St. Francis Convent School, Agra, <b>CGPA – 10.</b>

## PROJECTS

- **Hand Gesture Recognition | Jan 2020-May2020**
  - Applied CNN for Gesture Recognition.
  - Dataset was picked from Kaggle.
  - Applied the hand gestures successfully on Dino Game and Popular Snake Game.
  - Intending to apply the technique on Pacman Game.
- **Alzheimer's Disease Prediction using MRI data | May 2019–Dec 2019**
  - Classification of diseased person from the healthy person.
  - Used Various Regression Techniques for Prediction. (CSV files were used)
  - Dataset was organized from an Organization named as ADNI, California.
- **MNIST – Handwritten Character Classification | June 2019**
  - Using neural networks to produce more robust version of handwritten character classification.
  - Used GANs as well, Discriminator Model and Generative model for real and fake images.

## TRAININGS/CERTIFICATIONS/VIRTUAL INTERNSHIP

- **2 Months Summer Training | Project Based Machine Learning at Coding Elements, New Delhi | May'19 to July'19**
  - Certified Machine Learning and Deep Learning Trainee
  - Worked on Various Deep Learning as well as Machine Learning Techniques.
  - Worked on DL and CV libraries like ANN, CNN, ResNet, TensorFlow, Keras.
  - Hands on experience on various projects.
- **Web Development | Django Developer | Virtual Internship** offered by Jaypee Institute | **May 2020 - June 2020**
  - Worked on various Libraries offered by Django Framework.
  - Hands on experience of PostgreSQL
  - Hands on experience of Visual Studio Code.
  - Built a Travel Booking Website cum Blogging Website using Django Framework.
- **Coursera | Architecting with Google Compute Engine Specialization**
  - K2Q47Y6EN53G
  - <https://www.coursera.org/account/accomplishments/specialization/certificate/K2Q47Y6EN53G>

## TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python.
- **Data Structures and Algorithms | Problem Solving | Competitive Programming**
- **Database:** MySQL, PostgreSQL
- **Technologies:** Django Web Framework | Cloud Computing(GCP) | Machine Learning | Deep Learning
- **Software Packages:** VS Code, Jupyter Notebook, Google Colab
- **Soft Skills:** Leadership | Active Listener | Team Work | Communicative

## ACHIEVEMENTS/ACTIVITIES

- **Certificate of Participation** in CodeChef's annual programming competition "**Snackdown 2019**" (1A round)
- Informals Society **Head** | Annual Fest (Converge).
- [codechef.com/users/pacificador](https://www.codechef.com/users/pacificador) | [hackerrank.com/singhalaman198](https://www.hackerrank.com/singhalaman198) | [codeforces.com/profile/singhalaman198](https://www.codeforces.com/profile/singhalaman198)
- Certificate of Merit for securing A1 in all subjects | Securing 10 CGPA in 10<sup>th</sup>.

## PERSONAL TRAITS

Problem Solving | Music | Sketching (Modular Cars) | Sports (Football) | Space and Universe Exploration.