

# Mohit Jain

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## Summary

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I believe that the “superpower” of the future is Artificial Intelligence. When I started learning about AI, primarily Deep Learning, I fell in love with it. There’s just something exciting about making a machine do things which we humans can naturally do without paying much attention to. My interests lie in computer vision and more specifically creative content (such as art and pictures) creation.

LinkedIn: <https://www.linkedin.com/in/mohit-jain-36385b136/>

GitHub: <https://github.com/Natsu6767>

Personal Website: <https://mohitjain.me>

## Education

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**Indian Institute of Technology, Roorkee**  
Bachelor of Technology in Electrical Engineering

**Roorkee, Uttarakhand**  
Graduating May 2020

## Employment History

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**GTS Corporate**

Web Development Internship

**Dubai, Dubai**

November 2017 - January 2018

Created a Sales Web Portal for the company using Django. The purpose was to create an easy to use interface for the sales team to log in their dealings and meetings during the day.

## Projects

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- **Conditional AnimeGAN** — <https://github.com/Natsu6767/Conditional-AnimeGAN>  
Anime face generation using a conditional Generative Adversarial Network conditioned on eyes and hair color.
- **InfoGAN Implementation** — <https://github.com/Natsu6767/InfoGAN-PyTorch>  
PyTorch implementation of InfoGAN: Interpretable Representation Learning by Information Maximizing Generative Adversarial Nets.
- **DRAW Implementation** — <https://github.com/Natsu6767/Generating-Devanagari-Using-DRAW>  
PyTorch implementation of DRAW: A Recurrent Neural Network For Image Generation on the task of generating Devanagari Characters.
- **DCGAN Implementation** — <https://github.com/Natsu6767/DCGAN-PyTorch>  
A PyTorch implementation of Deep Convolutional GAN introduced in the paper Unsupervised Representation Learning with Deep Convolutional Generative Adversarial Networks.
- **Variational Autoencoder Implementation** — <https://github.com/Natsu6767/Variational-Autoencoder>  
A Tensorflow implementation of a variational autoencoder trained on the MNIST dataset.
- **Inception Module Implementation** — <https://github.com/Natsu6767/Inception-Module-Tensorflow>  
A Tensorflow implementation of the Inception Module from the GoogLeNet Paper, Going Deeper with Convolutions.

# Awards and Achievements

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- **Rank 8 in Visual Dialog Challenge 2018.** This challenge was part of the *SiVL workshop at ECCV 2018 in Munich, Germany*. I participated as a member of the team VLG IITR. Our approach to the problem was to focus on the language part of the task.
- **All India Rank 1,500 in JEE Advanced 2016.** Around 1.4 million students give the first qualifying exam, out of which 200,000 students are allowed to give JEE Advanced. JEE Advanced is a national competitive exam in India for taking admission in the topmost prestigious engineering colleges in India, the IITs (*Indian Institute of Technology*)
- **All India Rank 73 in KVPY 2015** (*Kishore Vaigyanik Protsahan Yojana*). Around 100,000 students give this national exam.
- **Top 1% in NSEA 2015 – 2016** of the candidates enrolled in the State of New Delhi. NSEA is the National Standard Examination in Astronomy.

# Hobbies & Interests

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- Member of Vision & Language Group, IIT Roorkee (<https://vlgiitr.github.io/>).
- Member of Anime Club, IIT Roorkee.
- I frequently blog and post articles on my website.
- Traveling around the world and experiencing new cultures.
- Playing Guitar

# Professional Skills

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PyTorch	Advanced
TensorFlow	Advanced
Numpy	Advanced
Python	Advanced
C++	Advanced
Matlab	Advanced
matplotlib	Intermediate
pandas	Intermediate

# Languages

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English	Native
Hindi	Native
Japanese	Beginner