

- Education**      **Netaji Subhas Institute of Technology**      Expected May '19  
Pre-Final year Instrumentation and Control Engineering Student.
- Experience**      **Research Intern ML, IIIT Delhi**      June- Current  
Working under Prof. Rajiv Ratan Shah on reverse image search
- Research Intern ML, LNMIIT Jaipur**      Nov-Dec '17  
Worked under Prof. Sakhti Balan and reproduced the results of conditional GANs research paper in PyTorch to translate black and white image into colored image.
- Safecity, Data Science Intern**      July-Nov '17  
Analyzed sexual harassment reports and classified the reports using unsupervised learning algorithm for visualization.
- Projects**      **Colorisation Neural Network**  
Implemented Pix2Pix translation using conditional GAN paper in PyTorch for converting black and white image into colored image
- Reinforcement learning Agent**  
Using Bellman's equation ( Q-Learning ) trained a basic RL agent to traverse a grid .
- Deep-Generative Adversarial Network**  
Implemented a generative adversarial Neural network model in keras and trained it on MNIST dataset for generating images
- Deep Dream**  
Implemented the Deep Dream model in keras to create artistic style in images using pre-trained VGG model.
- Skills**      **Languages :**  
C++ , Python ( PyTorch, Tensorflow , Keras ) , GPUs .
- Contact**      **Github**      [github.com/isarth](https://github.com/isarth)      **Linkedin**      [linkedin.com/in/isarth](https://linkedin.com/in/isarth)