

Ammar Shaikh

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EDUCATION

IIT ISM Dhanbad, Jharkhand — *Bachelor of tech. In Computer Science and engineering*

July 2019- May 2023

CGPA-8.13

PROFILES

- Codeforces- <https://codeforces.com/profile/1510>
- Github- <https://github.com/ammars1510>

KEY ACHIEVEMENTS

- JEE MAINS- AIR-1421 (301/360)
- JEE ADVANCED- AIR- 1885

NOTABLE PROJECTS

- Implemented **Image Segmentation** on self-driving cars dataset by building a 23 layer U-Net from scratch to classify into 23 different labels achieving sufficient accuracy for an **end user and deployment**.
- Implemented a 6 class classification on **hand sign recognition** by building a 50 layer deep ResNet from scratch achieving **sufficient accuracy** for an end user.
 - ◆ Implemented the same using TF Keras Functional API as well.
- Implemented a 2 class classification using **transfer learning** on pre-trained MobileNetV2 using **data augmentation** and **optimize** the model to achieve **sufficient accuracy** on our dataset for an end user
- Implemented a **Mood Classifier** using a TF Keras **Sequential API** using Conv Nets achieving **sufficient accuracy** for an end user.
- Neural style transfer- Creating artwork using Tensorflow framework. Using deep Neural Network to create artistic images of high perceptual quality transferring style of an Image to another content image.

SKILLS

- Computer Programming in C/C++, Java, Python, Matlab & Julia.
- Adept in Data Structures and Algorithms.
- Python libraries- Numpy, TensorFlow, Pandas, Sklearn, NLTK, keras.
- Git.
- Machine Learning
- Deep learning, NeuralNets, CNN, ResNets, U-Nets,RNNs
- Optimization Methods
- Competitive Programming
- Problem solving
- HTML

RELEVANT COURSES

- Stanford CS230- Deep Learning
- Stanford CS231N- CNNs for visual recognition
- Coursera- Machine learning
- Coursera- Deep Learning Specialization (5 course certification)

OTHER INTERESTS

- Competitive Programming
- Listening to finance oriented podcasts.
- Reading engineering blogs and research papers on AI/ML.
- Reading latest trends in the ML industry (articles,blogs etc.)
- Learning new tech.
- Workout / Jogging.
- Watching football.

