

Kushal Gupta

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DOB: 17/06/1999 | G-80 Pandav Nagar, Meerut, 250001, India.

EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

BTECH. ELECTRICAL AND ELECTRONICS

Expected Graduation: May, 2021

CGPA: 8.34/10

DEWAN PUBLIC SCHOOL, MEERUT.

Senior Secondary (C.B.S.E.)

Passed: March, 2017

AGGREGATE PERCENTAGE: 95.6%

ST. MARY'S ACADEMY, MEERUT.

Secondary (I.C.S.E.)

Passed: March, 2015

AGGREGATE PERCENTAGE: 96.6%

LINKS

LinkedIn:// kush1781

ICPCID:// kush1781

Codechef:// kush1781

Github:// kush1781

RELEVANT COURSES

Introduction to Programming

Data Structures and Algorithms

Object-Oriented Programming

Database Management Systems

Machine Learning

SKILLS

Programming Languages:

C++ • Java • Python

Frameworks:

Numpy • Pandas

Scikit-learn • Tensorflow

PROJECTS

IMAGE CAPTION GENERATOR | TENSORFLOW

- Python scripted, Deep Learning program to generate a caption for an image which is given as an input.
- The whole model is divided into three main parts i.e. using CNN to extract the features from image, using NLP to generate Word Embedding and using RNN to generate the caption as output.
- I have used a VGG-16 model to extract the features from the images and used Word Embedding and LSTM model to extract features from the description of the images.
- I have used Flickr8K Dataset to train my model, it has 8k images with their descriptions, of which 6k are for training and 1k each for validation and testing.

TITANIC DATASET EXPLORATION | SCIKIT-LEARN

- Python scripted, Machine Learning program to do feature engineering and feature selection first and then compare the classification models by using 10 fold cross-validation.
- I have done some feature engineering by making new features from the existing one and thus filling the null values.
- It compares classification models like- Logistic Regression, KNN, Naive Bayes, SVM, Decision Tree, Random Forest, Gradient Boosting Tree and CatBoost using GridSearchCV.
- It finally shows the feature importance of each feature according to the prediction of best model.

EXPERIENCES

SPIC MACAY, NIT WARANGAL

Jul'19 - Present

JOINT SECRETARY

- Conducted many art and cultural related events.
- Helped in the conduction of an event in which a renowned Kuchipudi dancer was invited to give her performance at our campus.

ACHIEVEMENTS

- Secured a team rank of 110 at Gwalior-Pune onsite round in ACM-ICPC'19.
- Qualified for Gwalior-Pune onsite round in ACM-ICPC'19 by securing a team rank of 346 out of 4400+ teams registered.
- Qualified for Round-1 of Code-Jam'19, Google after clearing Qualification Round.
- All India Rank-7004 in JEE- Main'17 among nearly 1.5M participants.
- All India Rank-9031 in JEE- Advanced'17 among nearly 50K participants.