

Janardan Tiwari

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EDUCATION

DELHI TECHNOLOGICAL UNIVERSITY (FORMERLY DCE)

B.TECH IN

INFORMATION TECHNOLOGY

2017-21 | Delhi, India

CGPA : 8.14

D.A.V SR.SEC. PUBLIC SCHOOL

2015-16 | Ashok Vihar, Delhi

XII Boards: 91.8 %

2013-14 | Delhi, India

X Boards CGPA: 9.6

LINKS

Codeforces: [Spark_in](#)

Codechef: [Spark_in](#)

Hackerrank: [janardantiwari6](#)

LinkedIn: [Janardan Tiwari](#)

Github: [janardantiwari](#)

COURSEWORK

UNDERGRADUATE

Algorithm Design and Analysis

Data Structures

Operating System

Object Oriented Programming

Computer Networks

Database Management System

ADDITIONAL

Competitive Programming

Machine Learning

SKILLS

PROGRAMMING

Languages

- C++
- Python

Frameworks/Libraries:

- Scikit-Learn
- TensorFlow
- Pandas
- Numpy
- Matplotlib
- OpenCV

ML Algorithms :

- Linear & Logistic Regression
- Gradient Descent
- Decision Trees & Random Forests
- Naive Bayes
- K.N.N.
- C.N.N.
- SVM
- PCA

EXPERIENCE

DELHI TECHNOLOGICAL UNIVERSITY | IN-HOUSE TRAINING

May 2020 - July 2020 | Delhi, India

- Learned about various concepts of OpenCV in python :
 - Working with images and videos
 - Image processing techniques
 - Object detection and tracking techniques
- Worked on Face detection using Haarcascades in OpenCV

PROJECTS

HAND DETECTION AND FINGER COUNTING

- Worked on a python program to detect hand on live webcam and count fingers
- Used various image processing techniques in OpenCV to detect finger tips
- Used convex hull to calculate the finger count

IMDB MOVIE REVIEW ANALYSIS

- A dataset consisting of 50000+ movie reviews was used to perform sentiment analysis.
- A Naive bayes model was built to analyse whether the review is good or bad keywords were found using : Tfidf vectorizer

MNIST DIGIT CLASSIFICATION

- Implemented a Convolutional Neural Network model
- with a convolution layer -32 units and dense layer -10 units trained on MNIST dataset using Keras library and Tensorflow API.
- Used rmsprop Optimizer and managed to achieve an accuracy of 99.0%.

ACHIEVEMENTS

GOOGLE KICKSTART

- 2020 Round A Global rank 397
- 2019 Round H Global rank 411

GOOGLE HASHCODE |Team Name : 91weapons_fan_club

Among Top 100 Indian teams (Country Rank : 75) in Google Hashcode, 2020

CODEFORCES HIGHEST RATING: 1935 (CANDIDATE MASTER)

- Round 643 Global Rank: 20
- Round 583 Global Rank: 72

CODECHEF HIGHEST RATING: 2088 (5 - STAR)

- LTIME85B Global Rank: 26
- LTIME84B Global Rank: 46
- COOK120A Global Rank: 85

CODECHEF SNACKDOWN 2018

- Qualified for round 2

HACKERRANK

- 6 star Problem Solving
- 5 star Python

HOBBIES

- Playing Badminton and Chess
- Solving Puzzles