Kunal Verma

Kunal-Varma.github.io
kunal3836@gmail.com | +91 9711511851

LINKS

LinkedIn:// kunal-verma3836
GitHub:// Kunal-Varma
Kaggle:// ikunalv
Medium:// @kunal3836
Facebook:// ikunalv

COURSEWORK

Deep Learning
Machine Learning
Data Structures and Algorithms
Data Base Management System
Web Technologies
Probability and Statistics
Data Mining

CERTIFICATIONS

- Deep Learning Specialisation by Coursera (5 courses)
- Machine learning by Stanford University through Coursera

SKILLS

PROGRAMMING

Python • C, C++ • Java • L^{A}T$_E$X

DATA SCIENCE LIBRARIES
Numpy • Pandas • Scikit-Learn
Matplotlib • Seaborn • Tensorflow
NLTK • Scrapy • Keras • PyTorch

ANALYTICAL TOOLS
MS Excel• Rapid Miner • Open Refine • Tableau

SOFTWARE TECHNOLOGIES
HTML • CSS • JavaScript
Git • MySQL

Minor projects

- Node localization through Dvhop algorithm
- ATM system using thumbprint detection
- Speaker Recognition System through MFCC algorithm

EDUCATION

Guru Gobind Singh Indraprastha University
MTECH in Computer Science(2018-20)
BTECH in Computer Science(2014-18)   CGPA: 8.8 / 10
 Delhi, India
(Department Rank: 2 / 180)

EXPERIENCE

IIT MADRAS | SUMMER RESEARCH FELLOW
Jun 2018 - Aug 2018 | Chennai, India
- 10 out of 5000+ applicants chosen in Computer Science.
- Explored the theoretical aspects of attention models in deep learning under Dr. Harish Guruprasad.

NPTEL | TEACHING ASSISTANT
Dec 2017 – Mar 2018 | Online
- Created python programming assignments for the online course "social networks" and handled the course forum.

IIT ROPAR | DATA SCIENCE RESEARCH INTERN
Dec 2017 – Jan 2018 | Ropar, India
- Worked on "Behavioral analysis in GitHub" using text mining and social network analysis advised by Dr. Sudarsan Iyengar.

PROJECTS

Trigger word detection system A detection system that performs a certain action on listening to particular set of words. (like 'Ok google').It is based on recurrent neural networks

TWITTER SENTIMENT ANALYSIS
Extracts tweets from twitter on a particular topic and assigns them a label whether it is positive,negative or neutral sentence.

Indian Lens (Capstone Project)
Takes an image from the user,classifies whether it contains text or not.If there is text makes a bounding box and translates the given text from one language to another.(say Hindi to English Language)

MUSIC GENERATOR [Link]
Based on Sequence models which generates melodious music tones on basis of given music sample

AWARDS

Year	Award
2019	Qualified GATE in CS & IT Gate score(550)
2018	Qualified GATE in CS & IT Gate score(402)
2017	Secured rank 2 in BTECH 2nd & 3rd year
2016	secured rank 5 in Algo Jam competition
2015	Secured rank 1 in Chemistry at school level
2013	Secured rank 1 in class 10 (CGPA-10)