Gaurav Raj

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Education

2019 — present	**B.Tech - Computer Science and Engineering,**	Gandhinagar, India
	Indian Institute of Information Technology Vadodara ⧉	
2017 — 2018	**CBSE - 12th Class,** *Subhash Chandra Bose Universal School*	Madhepura, India
	Grade: 77.4%	

Projects

Email Spam Classifier ⧉
- After preprocessing the textual data, implement the Gensim library to find out the features vector with semantic meaning.
- To initialize weights in the embedding layer of the Bidirectional LSTM Model implement Word2vec from the Gensim library.
- Accuracy: 0.987
- Utilized libraries: NLTK, Gensim, Keras, scikit-learn

Airplane Detection and Classification ⧉
- Implement classical region-based object detection and classification model RCNN, VGG16 architecture used.
- Used IOU(Intersection over Union) technique, for detection of airplanes and used CNN for classification.
- Utilized libraries: Keras, OpenCV, and scikit-learn

Blog and Confession Website ⧉
- Confessional and blog platform where readers and writers can read and write blogs.
- Features: User authentication, CRUD operation, and used Django's most appropriate ORM technique for design database.
- Language and Framework: Python, Django, HTML5, CSS3, and Bootstrap

Skills

Java Python Django HTML5 CSS3 Bootstrap Pandas Numpy

scikit-learn Tensorflow Matplotlib Django Rest Framework MySQL Git Github

Achievements

- Attained 910.3 points in HackerRank in the problem-solving category (Gold Badge: 5-star).
- Over 500 problems of Data Structures and Algorithms were successfully submitted on LeetCode, HackerRank, and GeeksforGeeks.

Certificates

- NVIDIA DLI Certificate for the successful completion of Fundamentals of Deep Learning.

- Certificate of completion of the Python course and Introduction to Machine Leaning from kaggle.

- Certificate of completion for HTML5 and CSS3 introduction from the University of Michigan on Coursera

Coursework

Problem Solving, Data Structures, and Algorithms, Object Oriented Programming, Database Management systems, Operating Systems, Software Engineering, Computer Networks, Information Retrieval, and Machine Learning