

Nikhil Kumar

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Education

2015 - Present	Bachelor of Engineering(BE), Information Technology Army Institute of Technology, University of Pune <i>Percentage: 7.98 SGPA (3rd Year)</i>
2013-2014	Class XII, CBSE Board, K.V No. 2 Ambala Cantt, Haryana (Physics, Chemistry, Mathematics, Computer Science) <i>Percentage: 88.2%</i>
2011-2012	Class X, CBSE Board, K.V No. 2 Ambala Cantt, Haryana (Science, Mathematics and English) <i>Percentage: 9.2 CGPA</i>

Certifications and Courses

- Fast.ai Part2 v2 International Fellowship for the course at The Data Science Institute | University of San Francisco (March 18- Present)
- Fast.ai Part1 v2 International Fellowship for the course at The Data Science Institute | University of San Francisco (Oct 17-Dec 17)
- Summer School on Natural Language Processing and Machine learning organized by ACM India at IIT Kharagpur (1st June'17 – 21st June'17)
- Deep learning specialization from coursera.com | deeplearning.ai
- Stanford CS-224n, NLP with Deep Learning (Winter '17)
- Natural Language Processing from NPTEL | IIT Kharagpur

Projects

Feb'18- Present **Plant Disease detection using ensemble of SVM, KNN and Res-Net**

- >In past work has been done on disease detection on a specific type of plant, and that is inside green house.
- >Here I am trying to come up with a model which can detect disease on various types of plant across agriculture, horticulture, etc.

Nov'17- Dec'17 **CNNs for Sentiment Analysis**

- >A model like Kim Yoon's CNN for Sentence Classification was implemented.
- > The model was trained on Movie Review Data from Rotten Tomatoes and used for classification of tweets.

Aug'17- Aug'17 **Web based Help App**

- >App will notify volunteers about the incident and its location for help.
- >Volunteer can select the radius of the area to get local notification.
- >Needy can send a distress signal along with a message.

Dec'16- Jan'17 **Complaint collection and service improvement in Indian Railways from twitter**

- >Passengers tweet about the problems they face and the facilities not available during their journey with their train no. and PNR no.
- >It is not possible to check thousands of trains on regular basis to check for damage, using this method passengers can help railway dept. by a tweet.
- > tweets with information train no. , PNR no. and negative sentiment are extracted and stored in a file.

Technical Skills

Programming Languages: Python, C, C++, R, HTML, CSS, JavaScript, Shell scripting, MATLAB, Latex
Platforms: Arduino, x86, 8051
Frameworks/ Tools: TensorFlow, Keras, PyTorch, NodeJs, Django
Databases: SQL, MongoDB
Operating System: Linux, Windows
Others: Jupyter Notebook, Atom Editor, AWS

Scholarships and Achievements

- Runner up in 'Amalgam' project competition sponsored by alumnus of AIT, 2017
- Runner up in Hackathon "Innervive'17" organized in, AIT Pune
- 2nd position in 'Code-Red' Annual inter-college coding competition, AIT Pune, 2016

Extra-Curricular

- Student member of Computer Society of India and IEEE
- AI Geek Leader at AI Saturdays
- Board member of Cultural Board and writer in college magazine 'Srijna'
- Started AIT Machine Learning group – Tutored juniors
- Participate in Kaggle competitions
- Hobbies include Squash | Swimming
- Hosted events and invited researchers from IISC and IIT for lectures.
- Active member of AIT Open Source Software (OSS) group
- Member of Pune University Squash team