Nallagatla Manikanta

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Educational Qualification

2013 - 2017	Bachelor of Engineering in Electronics and Communication Engineering **Indian Institute of Technology**, **Roorkee** CGPA: 9.533/10.00
2012 - 2013	Higher Secondary School Certificate Completion **Narayana Junior College, Hyderabad** Percentage: 98.5/100
2010 - 2011	Andhra Pradesh State Matriculation Examination **Keshava Reddy Public School, Nandyal** Percentage: 97.66/100

Work Experience

July 2018 – Present	**Software Development Engineer 2** at **Adobe Systems,** Bangalore
June 2017 – July 2018	**Member of Technical Staff** at **Adobe Systems,** Bangalore Worked on Coresync (Sync solution), in which I took the ownership of network module (GUDE). Contributed to various features like resumable network transfers and GUDE for IOS.
May 2016 – July 2016	**Research Intern** at **Adobe Systems,** Bangalore Built a framework that can be used to create a domain specific topical affective lexicon using NLP techniques. Using the Topical lexicon built for Crime and World speech domains, a chat bot is built which can give suggestions in writing an article in the same domain.
May 2015 – July 2015	**Research Intern** at **IRIT Laboratory,** France Developed the interconnection mechanism that guarantees the measurement of transmission time of a network data sent from a Real-time wired network to a wireless node, and vice versa.

Projects

- **Automatic License Plate Detection using graph cut** [ongoing]
  Working on graph cut based Automatic license plate detection using colour, smoothness and shape features. As a part of this, we are also developing a framework to learn various hyper parameters of the model to detect the license plate.
- **Key phrase based News Event Exploration Engine**
  Implemented a Java based bigdata system "News Event Exploration system for exploration and enrichment" which can be used to get a broad view of news data generated for a user query.
- **Optical Character Recognition using LBP, DCT, Wavelet features [**Github**]**
  Implemented a python based text recognition system using ensemble of models using Local Binary Patterns, Discrete Cosine Transform and Wavelet features.

Research Publications

- "BATframe: An Unsupervised Approach for Domain-sensitive Affect Detection", Kokil Jaidka, Niyati Chhaya, Manikanta Nallagatla, Rahul Wadbude and Sanket Kedia, in 18th International Conference on Computational Linguistics and Intelligent Text Processing, At Budapest, Hungary, Volume: 18 [link]
- "ME2 : Movie review Exploration Engine", Nikita Jain, Nallagatla Manikanta, Achuth Kandikuntta, Deepak Jannarapu, Tella Tarun Kumar, Dhaval in Applications of Cognitive Computing Systems and IBM Watson: 8th IBM Collaborative Academia Research Exchange [link]

Technical Skills

Programming   : C++, Python, Octave, MySql

Achievements

- **Departmental Gold Medal** among 74 students.
- Secured All India Rank 1259 (Percentile: 99.9) in the IIT-Joint Entrance Examination 2013
- Secured All India Rank 135 in IIT-Mains Examination 2013 among 0.9 million students.
- Secured State wide 9th position in 12th class among 1.0 million students.
- Secured State wide 3rd position in 11th class among 1.0 million students.
- Secured State wide 10th position in 10th class among 1.28 million students
- Secured percentile score of 99.89 in 12th class, Andhra Pradesh Board, 2013
- Secured All India Rank 108 in EAMCET, Andhra Pradesh entrance examination, 2013

Relevant Courses

- Machine Learning Basic Nanodegree [cert], Machine Learning [cert], Object oriented Programming, Data structures, Operating Systems, Data base Management, Computer Architecture and Microprocessor, Computer Networks, Economics, Banking and Finance, Ethics and Self awareness

Online Presence

- Linkedin   : https://www.linkedin.com/in/nallagatla-manikanta-20593383/
- Github   : https://github.com/manikantanallagatla

Activities

- Awarded first prize in C++, Java boot camps in Adobe   2017
- Scrum master   2017
- Awarded first prize in Department Cognizance event Spotlight   2016
- Built a Windows phone app - "Devil Smasher" in 24 hours Microsoft Hackathon code.fun.do   2015
- Active Member of IEEE Special Interest Group   2014 - 2015
- Have been cadet of National cadet Corps for one year and was awarded A+ grade   2013 - 2014
- Have been appreciated as a volunteer in Thomso 2013, Cultural Fest of IIT Roorkee   2013