

Sangaraju Charitha

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EDUCATION	M.Tech in Computer Science 2016 - 2018 National Institute of Technology Karnataka, Surathkal, India <ul style="list-style-type: none">• CGPA of 8.39/10 (June 2018)
	B.Tech in Computer Science and Engineering 2010 - 2014 Sri Venkateswara University, Tirupati, Andhra Pradesh, India <ul style="list-style-type: none">• CGPA of 8.16/10 (June 2014)
	High School - Sri Chaitanya Academy Junior College, Tirupati, Andhra Pradesh - 97.1% 2008 - 2010 Secondary School - Sri Chaitanya Children's Academy, Tirupati, Andhra Pradesh - 90.33% 2007 - 2008
EXPERIENCE	Software Engineer II at Dell EMC, Bangalore July 2018 till date <ul style="list-style-type: none">• Working on developing and improving LDAP authentication module of Storage Center Operating System for the Active Directory server to authenticate user and computer accounts on behalf of Storage Center.• Working on Virtualization specifically PITC module which would create snapshots of the volumes from which data can be restored in case of any failover and also the stats of the volumes at any point of time, can be fetched. Summer Internship at NITK on Predicting Relevant News Events for Timeline Summaries using Supervised Machine Learning Technique June 2017 - July 2017 Built an automated text summarizer for generating timeline summaries of news articles using SVM and Linear Regression.
	Software Engineer at Infosys Limited, Bangalore January 2015 - July 2016 Worked for Goldman Sachs client on the project, Regulatory Operations, to develop and update the position reports according to the client requirements using Java Technology.
TECHNICAL PROFICIENCY	Languages - C, Java, C++, SQL, Python(Basic) Web Technologies - HTML, CSS, Java Script, Angular JS(basic) Application Software - ns-3, MATLAB(Basic) Operating Systems - Windows, Linux Tools/Frameworks - Source Insight, Eclipse, Github, JDBC, Servlets, JSP, JSF, SQLplus, Visual C++
PROJECTS	<ul style="list-style-type: none">• TCP Low Priority in ns-3 : Tcp Low Priority is a Tcp variant for low priority data transfer in which the low priority data utilises only the excess bandwidth. Test suite and examples were made to validate the algorithm. The project has been merged into the official ns-3 code.• Load/Delay Controllers in ns-3 : Load/Delay Controllers are a class of Active Queue Management Algorithms which take into account both the load factor (ratio of packet arrival rate to the packet drain rate) and the queuing delay metric for drop probability calculation.• Modified Decision Based Median Filter for Impulse Noise Removal : This project implemented a modified median filter for noise removal which gave better performance compared to basic median filter and extended by implementing a non local median filter based on the concept of non local means.• Extractive Document Summarization Using a Supervised Learning Approach : This project implemented a model for extractive multi-document text summarization using convolutional neural networks (CNN) for sentence ranking and Integer linear programming (ILP) for sentence selection. The performance of this model is found to be competitive or better in comparison with state-of-the-art systems.
PUBLICATIONS	<ul style="list-style-type: none">• Sangaraju Charitha, Nagaratna B. Chittaragi, Shashidhar G. Koolagudi, "Extractive Document Summarization Using a Supervised Learning Approach", 2018 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER)

ACHIEVEMENTS • High Performer in Java stream training at Infosys Mysore.

AND AWARDS

- Received Most Valuable Player (MVP) award in Infosys for my contribution towards the project - Regulatory Operations.
- Received Best Paper award in IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics 2018.