

# Apoorva Chandra S

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## Skills

- Proficient in JAVA – Including GUI Development using Swing and AWT, Databases.
- Proficient in Docker, Openshift (Kubernetes).
- Intermediate in Data Mining and Information Retrieval. (Mostly using Python)
- Proficient in building Web Services, using REST.
- Proficient in C – Data Structures, Trees, Graphs, Sorting and Searching Algorithms, POSIX Threads, Semaphores, Socket Programming
- Intermediate in VBScript, and VBA.

## Experience

- Manager (App Developer) at **Citicorp Services India Ltd, Pune**. Joined Citi as part of Grad Analyst Batch 2015.
  - Currently working in Equities Middle Office Tech since August 2016.  
Currently working on build a Cloud-based matching system using technologies such as Chronicle, Docker and hosted on Openshift (Kubernetes).  
Worked on redesigning and rebuilding existing system into a more scalable and robust design using technologies like Apache Storm and Geode to meet multi-million order throughput.
  - Asst Manager (App Developer), Investor Services Tech. September 2015.  
Worked on improvements to the subsystem that parsed trade messages to improve straight-through-processing for the Fund Services team. Also worked on a couple of side projects to simplify data analysis using tools like Qlikview, Druid and Caravel.
- Interned at **JP Morgan India, Mumbai** as a Technology Analyst summer intern for 8 weeks during the summer of 2014 as part of the Corporate & Investment Banking – Trade Technology team.  
Worked on internal tools to assist with project management using JIRA REST API and HP ALM data.

## Education

- Bachelor of Technology (Information Technology) (NITK Surathkal)  
2015 – CGPA – 7.59 /10

## Projects

- Building a generic matching application that is capable of matching 2 sets of entities using configurable profiles. This application was built using Docker and Openshift to be cloud-native and scalable from the get-go. This application also uses Chronicle queues between services for lower latency and faster processing. (2019-present)
- Built a distributed order processing gateway using Apache Storm and Geode for scalability and resilience. This application was capable of processing multi-million order loads required for a new business project. (2016-18)
- ‘*Predicting Future Popularity Trend of Events in Microblogging Platforms*’ (aka Twitter), using Python as part of the Data Warehousing and Data Mining course, based on a paper by Jiawei Han et al., published in ASIST 2012. (Nov-2014)
- ‘*Sociopedia : An Interactive, Ontology-based Knowledge Engine for Social Media Analysis*’ using concepts from Semantic Web Technologies, Natural Language Processing, Information Retrieval and Data Mining. (Submitted in April 2015)

## Publications

- “*Sociopedia: An Interactive System for Event Detection and Trend Analysis for Twitter Data*”, **3rd International Conference on Advanced Computing, Networking, and Informatics (ICACNI - 2015), Orissa, India, 23 -25 June, 2015** (Proceedings to appear in Springer Smart Innovation Series, Proceedings of 3rd International Conference on Advanced Computing, Networking and Informatics Vol. 2, p63-70)
- “*Ontology-based Event Detection in Twitter Datas-treams*”, at **2015 IEEE Region 10 Symposium (TENSYP 2015)**, Ahmedabad, May 13 -15, 2015. (IEEE Computer Society Proceedings) (Proceedings of Region 10 Symposium (TENSYP), 2015 IEEE, p74-77)
- “*An Interactive System for Event Detection and Trend Analysis for Twitter Data.*”, at **LARGE SCALE COMPLEX NETWORK ANALYSIS: LSCNA2015**, Kolkata, December 2015. (LSCNA 2015, p70)