Aditya Mahajan

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EDUCATION

M.S., Computer Science, *Data Science*   May 2017
The University of Texas at Dallas   GPA **3.55**

B.E., Computer Science   June 2014
Panjab University, Chandigarh, India   CGPA **8.3/10**

WORK EXPERIENCE

Directi, Mumbai, India   October 2014-June 2015
Software Development Engineer
- Developed a fuzzy search for college/institution lookup for registering candidates on the website
- Programmed custom judges for problems in order to check solution to coding problems
- Wrote CRON jobs to daily extract the rank/popularity on websites like Alexa, LinkedIn, Facebook and Twitter

Alert Enterprise Inc., Chandigarh, India   January 2014 - September2014
Software Development Engineer
- Wrote the backend queries for the incident monitoring dashboard
- Resolved the application defects to facilitate stable releases
- Redesigned legacy backend to integrate with the new badge designer UI

TECHNICAL SKILLS

Programming Languages and Tools: C/C++, JAVA, Python, JavaScript,Django
Databases: Oracle, MySql, SQL server
Operating Systems: Linux, Windows, MAC OS
Data Science Languages and Tools: R, Scikit Learn, Pandas,Spark,Hadoop,Mapreduce,Hive,Numpy

PROJECTS

Credit Score Analysis
- Used Apache Spark ,Hive and ML pipeline to analyze credit risk score on kaggle dataset.
- Made three different input models, using logistic regression,gradient boosting and random forest trees.

Character Recognition
- Made a model to recognize characters using SVM given pixel intensities
- Extracted best features using Principal Component Analysis

Cuckoo Hashing
- Using two hash functions increased the load factor to 0.80 as compared to Java's Hash map load factor of 0.75

Custom SQL Shell & DBMS Engine
- Made custom implementation of a database in python
- Used binary files to store the data and used first level indexing in order to reduce the looking time

ACHIEVEMENTS
- Google Code Jam- Reached the second round and secured a rank of 883 out of 10000 participants.
- Ranked 245 out of 4000 participants in the Santander prediction challenge on Kaggle.
- Stood second in DECODE, the coding event at VYOM 2014(PEC's annual Technical Fest)