NARENDRA SINGH

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Summary

A passionate Big Data Analyst, who loves to play with data and always on the hunt of opportunities in the field of Data Science, which allow me to leverage my core competencies in Machine Learning, Big Data Processing, Inferential Statistics and Strategic Decision Making, in order to provide insights that will help business to grow.

- Expert in Python with analytics and Machine Learning library (NumPy, Pandas, SciKit).
- Ingesting, Storing, Analyzing and Maintaining data in Hadoop ecosystem's frameworks HDFS, YARN, MapReduce, Hive, Sqoop, Flume.
- Real-Time stream data processing with Apache Spark.
- Descriptive and Inferential Statistics.
- Able to administrate and process data from databases such as MySQL, Oracle Database, MongoDB.
- Software Engineer, developing web based applications with Django.
- Proficient in code versioning tool, Git.

Professional Experience

Centre for Development of Advanced Computing (CDAC)
Project Engineer, Feb 2017 – Present

- Automated process of Hadoop deployment in pseudo distributed mode using python and bash scripting.
- Produced tutorial guide on "Big Data processing by harnessing the power of Hadoop with it's eco-system frameworks".
- Explored performance of 5+ scientific application and deep learning frameworks (Tensorflow, PyTorch, Keras etc.) on latest GPU processors by scaling them on multiple nodes of cluster.
- Corrected multiple alert scripts for monitoring user activities on gateway nodes of cluster.
- Delivered lecture on parallel programming and distributed computing at VSSUT, Burla, Orisa.
- Continuous monitoring of cluster having 400+ Nodes, to maintain proper utilization and functioning while ensuring smooth transition of user's work at IIT Delhi.
- Trained 100+ research scholars for utilization of HPC facility and parallel programming.
- Automation of regular task using python and bash script.

Education

CDAC - Advanced Computing Training School (ACTS), Pune
Post Graduate (PG) Diploma in Big Data Analytics, 64.68%   2017

Bundelkhand Institute of Engineering and Technology (BIET), Jhansi
B.Tech. in Computer Science & Engineering, 71.88%   2016

Professional Skills

Operating Systems	:	CentOS 7, RHEL 6/7 , Ubuntu, Windows
Programming Languages	:	Python, R, Core Java, Bash, SQL
Databases	:	MySQL, MongoDB, Oracle Database
Big Data Tools	:	Hadoop, Spark, Hive, flume, Sqoop, Pig
Industry Skills	:	Machine Learning, Data Analytics, Statistics, Distributed Computing, Git, Docker, Django, Problem Solving

Projects

Offer Recommendation: Recommended five best offers for new and existing users on the basis of user behaviour.

- Generated hypothesis to test relations between attributes of dataset.
- Cleaned dataset for removing noise from it.
- Merged related datasets into one in order to avoid dependencies on multiple relational tables and ingested it into HDFS.
- Loaded Geo-graphical data into MongoDB as data was given in JSON format and MongoDB supports geo-indexes.

Mormo: Capturing commands issued by each user on Linux system to keep track of users activity on system. (https://github.com/narendra-cs/mormo)

- Performed Extract, Transform and Load (ETL) process to dump command logs into MongoDB database collection.
- Designed and developed web UI using Django to search logs, residing in MongoDB database collection.
- Integrated Django with MySQL and MongoDB (using mongoengine) at same time.
- Enabled Authentication in MySQL as well as in MongoDB for security reason.

Achievements and Activities

- Secured **4th position** in class of 64 students in final result of **PG Diploma in Big Data Analytics.**   2017
- Acted as **Lead student coordinator** at Training & Placement Cell, BIET Jhansi and **managed team of 30+ members** while ensuring each student will get a placement offer from top-most organization.   2015-16
- **Facilitated and delivered 20+ technical session** on Linux to students.   2015-16
- **Trained 60+ students** to leverage the power of MongoDB (NoSQL database) over traditional RDBMS and how to develop application with it in efficient manager.   2015
- Got **1st rank** at summer Training on Network Management BY Nettech Pvt. Ltd.   2014

Personal Information

Date of Birth	:	25-02-1994
Gender	:	Male
Languages	:	English and Hindi
Nationality	:	Indian
Passport No.	:	P1289557

I hereby declare that the above information is true to the best of my information knowledge belief.

Place : New Delhi   Narendra Singh

Date :