



Narendra Singh (3 Year Experience)

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



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WORK EXPERIENCE

Axis Bank – Information Security Officer (Deputy Manager)

03/2019 – Present

Mumbai

Achievements/Tasks

- Core team member for setup of **Security Big Data Lake (SBDL)** in bank.
- Evaluated multiple security analytics and UEBA product (**Securonix SNYPR / Gurukul Risk Analytics / Elastic Stack / Splunk**) to setup Security Big Data Lake for **threat analytics and threat hunting**.
- Worked on **architecture and hardware sizing** to implement SBDL in Bank's hybrid infrastructure.
- Cloud (AWS/Azure) infra risk assessment** by identification of risky firewall rules, network architecture etc.
- Full-fledged deployment of cloud **SIEM DNIF** in bank **hybrid cloud (AWS/Azure)** environment.
- Manage team** to successfully execute incident investigation and response operational activities.
- Worked on forensic readiness practice to make bank environment ready to perform forensic investigation.
- Anti-phishing, Anti-fraud & dark web cyber intelligence alert management and reporting trend to senior management.
- Incident investigation and response** for any alert by correlation of logs and applying logical approach.
- Analysed** logs or packets data captured from various sources within the enterprise to draw conclusions about historic trend.

Centre for Development of Advanced Computing (CDAC) – Project Engineer

02/2017 – 03/2019

Pune

Achievements/Tasks

- Hadoop deployment** on CentOS-7 in pseudo distributed mode with automation in **Python** and **Bash**.
- Configuration of YARN capacity scheduler for Hadoop job scheduling and queue management of jobs.
- Tutorial guide on "**Big Data processing** by harnessing the power of Hadoop and it's eco-system".
- Performance exploration of 10+ scientific application and deep learning frameworks on latest **GPGPU** processors (**Nvidia Tesla Volta v100**) by scaling them on multiple nodes of cluster.
- Monitoring of average load on all CPU/GPU nodes and automatic job termination through scripts in case of excess load.
- HPC/QIP workshop on **Parallel Programming** and **Distributed Computing** at VSSUT, Burla, Orisa.
- Performance monitoring of HPC system (PADUM) having 400+ Nodes, through regular HPL benchmark and performance analytics, to maintain proper utilization and functioning while ensuring smooth transition of user's work.
- Trained 400+ research scholars for utilization of **HPC, Parallel Programming** and **Linux** at IIT Delhi.
- Application and Libraries stack management.



EDUCATION

PG Diploma in Big Data Analytics (64.68%)

2016 – 2017

Centre for Development of Advanced Computing (CDAC)

Pune

B.Tech. in Computer Science & Engineering (71.88%)

2012 – 2016

Bundelkhand Institute of Engineering and Technology (BIET)

Jhansi

SKILLS

Data Science

Machine Learning, Data Analysis, Exploratory Data Analysis, Statistics, Data Visualization

Big Data

Hadoop, Map-Reduce, Spark, Hive, Flume, Sqoop, Kafka

Programming Languages

C, Python, Core Java, Bash, SQL

Database Management

MySQL, MongoDB, Oracle DB, Elastic Search

Industry Skills

AWS, Distributed Computing, Git, Linux, Docker, Django, Problem Solving

LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

INTERESTS

Reading Blogs

Listening Music

PERSONAL INFO

Date of Birth 25-02-1994

Gender Male

Nationality Indian

Passport No. P1289557

CERTIFICATION

- CCA-175: Spark and Hadoop Developer
- M220P: MongoDB for Python Developers
- M121: The MongoDB Aggregation Framework
- M201: MongoDB Performance

PROJECTS

DjangoApp: Deployment of Django application on Docker swarm cluster.

(<https://github.com/narendra-cs/DjangoApp>)

- Apache web server setup to serve for wsgi application powered by MySQL as backend database for Django application.
- Docker-compose files to deploy **Docker services** in one go, on **swarm cluster** through **Docker stack**.
- All credentials of Database and Application served through **Docker secrets**.
- Approach is to reduce deployment time by taking advantages of **Docker containers** and make application **Highly Scalable**.

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.
- **Data cleaning** for removing noise from it.
- Merged 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** collection.
- Designed and developed web UI using **Django** to search logs, residing in MongoDB 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

- 2017 Secured **4th position** in class of 64 students in final result of **PG Diploma in Big Data Analytics**.
- 2016 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.
 - **Facilitated and delivered 20+ technical session** on Linux to students.
- 2015 **Trained 60+ students** to leverage the power of MongoDB (NoSQL database) over traditional RDBMS and how to develop application with it in efficient manner.

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

Place : Navi Mumbai

Date :

Narendra Singh