

# MANISH KUMAR NIRMAL

Junawane Residency Aundh , Pune, Maharastra -411007

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## Professional Summary

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- 3.9 Years of total IT experience, 2 Years as a Developer, Designer of large scale distributed systems.
- Have worked on big data solutions with a focus on collecting, managing, analyzing large sets of data that leverage emerging technologies such as hadoop, hive, sqoop, and spark.
- Strong knowledge on Hadoop Framework and its Ecosystem (Map-Reduce, HDFS, Hive and Sqoop).
- Strong knowledge on Apache Spark.
- Good Knowledge of Data Science Domain.
- Good communication and presentation skills, willing to learn, adapt to new technologies and third party products.

## Skills

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### Programming Languages:

Python| Core Java| R Programming

### Cloud Based Technologies:

AWS

### Big Data Technologies:

Apache Spark|Apache Hadoop| Hive | SQOOP

### Version Control System :

Git

### Databases:

SQL | MongoDB

### Operating System:

Windows |Unix/Linux

## Work History

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### Project Engineer

October 2017 to Current

**Centre for Development of Advanced Computing, C-DAC.** – Pune, Maharashtra

- Part of team to provide Analytics and Solutions for Big Data
- Worked closely with other team members to plan, design and develop robust solutions in a timely manner.
- Collaborated with cross-functional development team members to analyze potential system solutions based on evolving client requirements.

## Education

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**Post Graduate Diploma in Big Data Analytics (CDAC) - Bangalore** 2017  
**Percentage:** 67.42

Computer Science Engineering 2012-16  
**Bachelor of Technology, Bharati Vidyapeeth's College of Engineering, -New Delhi**  
**Percentage:** 68.34

**H.S.C, Central Board of Secondary Education, – New Delhi** 2010  
**Percentage:** 65.33

**S.S.C, Central Board of Secondary Education, – New Delhi** 2008  
**Percentage:** 64.83

## Project Summary

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### **Project Title: An Extensive Solution for Online Examination System.**

Building an extensive solution for online examination system for recruitment of the manpower for Indian government organization where the candidate count is above 800,000; conducting biannually.

AFCAT, STAR, CCAT are exams conducted by C-DAC for the recruitment of manpower. In which examination centers are setup up across the India.

**Role:** Data Engineer

### **Key Responsibilities:**

- Performed data ingestion of huge amount of data from various sources like RDBMS.
- Designed and developed a validation framework for implementing various validation and transformation rules to clean data using PySpark and hive.
- Establishing an ETL, Data processing model, to allow us to develop and support the data & analytics capabilities in a safe, secure and compliant way.

**Technologies:** Apache Spark, HDFS, SQL, Spark SQL, Apache Hive, Sqoop, Python & Linux.

### **Project Title: Advanced Analytics Monitoring Dashboard Development**

Dashboard provides real-time analytics over continuous stream of data, batch analytics using the data available in the Database, ad-hoc analytics for exploring different data insights and visualization, which can be easily understood by key stakeholders.

**Role:** Data Engineer

**Key Responsibilities:**

- Design and development of Extract, Transform, and Load (ETL) model using cutting-edge technologies.
- Realtime stream analytics using Pyspark.
- Monitoring performance

**Technologies:** Apache Spark, HDFS, SQL, Sqoop, Python.

**Personal Information**

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<b>Date of Birth</b>	:	28th October 1992
<b>Marital Status</b>	:	Unmarried
<b>Nationality</b>	:	Indian
<b>Languages</b>	:	English, Hindi