

# PRIYADARSHAN RAJ

## Senior Software Engineer

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📍 Hyderabad, India

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With over two years experience in software engineering in developing strategic ideas to solve big data processing requirements and six years preparing for UPSC, I have not only improved my technical and analytical skills along with customer centric approach but also developed a different perspective for solving real life problems.

## EXPERIENCE

### UPSC Preparation

📅 2014–Feb-2021

📍 New Delhi, India

- The adventurous journey not only inculcated in me better discipline but also taught me the importance of patience, resilience and perseverance.
- It instilled in me the zeal to work harder day by day and have a positive outlook towards life.

### Virtusa Corporation

#### Senior Software Engineer

📅 July-2011–Oct-2013

📍 Hyderabad, India

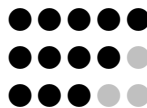
- Reduced the processing time of tabularized data generation by 15% by analyzing data of 100,000 customers.

## SKILLS

JAVA

Hive, MapReduce, MySQL

Apache Flume and Mahout



## PROFESSIONAL EXPERIENCE

### British Telecommunications, Ipswich, Suffolk

- Worked with client in Big data technologies to get insights on interactive visualizations.
- Technology Used: JAVA, HIVE, HDFS, Cloudera

### Twitter sentiment analysis using Apache Mahout 0.7 and Hadoop 0.20

- Cleaned and filtered tweets to prepare data set for training.
- Wrote custom code to train Naive Bayes model line by line. This prevented time consuming task of splitting file line by line and uploading the data into HDFS.
- Fine tuned model to classify tweets as positive, negative and neutral.
- Technology Used: JAVA, Shell Script, Hadoop, Twitter Search API

### Twitter Download and Automation and Fact File creation using MapReduce

- Designed and implemented code to fetch tweets continuously honouring rate limit of Twitter Search API.
- Cleaned and parsed tweets to store relevant data into HDFS.
- Designed workflow for scheduling Hive process using shell scripts to stream data into HDFS.
- Technology Used: JAVA, HDFS, HIVE, SHELL Script

### Corner Banca Project

- Used shell script for developing automated solution to extract purposeful content.
- Technology Used: Shell Script

## EDUCATION

### Indian Institute of Technology, Kanpur(IIT-K)

#### Materials Science & Engineering(B.Tech)

📅 2007–2011

📍 Kanpur, India

## ACADEMIC PROJECTS

### Visualization of micro structural generation using Phase Field approach

Guide : Prof. Sandeep Sangal, IIT KANPUR

- Developed a computer program in C to generate matrices based on a numerical solution of Gizenberg Landau equation from random nucleating sites.
- The matrices are converted into images using differential color allocation of nucleating points and video generation using Adobe After Effects software
- Using this metal solidification at micro level can be understood and what structural changes need to be done can be further investigated.
- Technology Used: C, Adobe After Effects

## ACHIEVEMENTS

- Awarded **Top Talent Bonus** for being among the top performers in the company for two consecutive years - 2012 and 2013.
- **Guided two interns** in JAVA project
- All India Rank **2011** in the **IIT JEE- 2007**
- All India Rank **1984** in **AIEEE-2007**
- Achieved **AIR 541** in **Global Mathematical Talent Probe** conducted by IFSE-2003.
- Awarded **Best Project Award** for MYTHOLOGICAL INDIAN ARMOUR and BOTTLING MACHINE amongst more than 60 projects at IIT Kanpur.
- Won **2nd prize** in NIRMAAN (plastic bridge designing contest) in TAKNEEK-09 (Intra IIT technical festival), IIT Kanpur.
- **Blue belt** holder in **Taekwondo**.