

PRIYADARSHAN RAJ

Senior Software Engineer

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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 developing a customer centric approach but also a different perspective for solving real life problems.

PROFESSIONAL EXPERIENCE

Virtusa Corporation

Senior Software Engineer

July-2011–Oct-2013

Hyderabad, India

British Telecommunications, Ipswich, Suffolk

- Reduced the processing time of tabularized data generation by 15% analyzing data of 100,000 customers.
- Technology Used: *JAVA, HIVE, HDFS, Cloudera*

Twitter sentiment analysis using Apache Mahout 0.7 and Hadoop 0.20

- 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.
- Cleaned and filtered tweets to prepare data set for training.
- 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*

SKILLS

JAVA



Hive, MapReduce, MySql



Apache Flume and Mahout



EDUCATION

Indian Institute of Technology, Kanpur(IIT-K)

Materials Science & Engineering(B.Tech)

2007–2011

Kanpur, India

UPSC Preparation

2014–Feb-2021

New Delhi, India

- Learning about the various macro economic trends, and subjects like economics, polity, history broadened my horizon after engineering.

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.