Manikhantan S

Associate Consultant at CTO Office, Wipro

manikhantan@outlook.com

Experience

Associate Consultant at Wipro

May 2014 - Present (1 year 1 month)

Client: Large Retail firm in the US Developed computer vision algorithms using OpenCV for accurate human detection from low resolution camera feed in retail store and track movement. Automated the data aggregation from various human detection modules. Client: Wipro CEO office Developed Computer vision algorithms for human detection (multiple techniques)from the video feed on a scenario basis. Developed the algorithm for detecting tailgating and worked on performance improvements of the same. Client: Wipro CIO Office Developed computer vision algorithms that can automate multi level entry authentication for two wheelers, four wheelers and walk-in. Developed algorithms for automated license plate recognition using OCR and computer vision techniques. Developing algorithms for facial recognition.

Project Engineer at Wipro

May 2014 - July 2014 (3 months)

Client: Citi Bank Project: Test Suite Ontology Used Machine learning and Text analytic techniques to find and de-duplicate both automatically and manually generated test cases. Clustered the original test cases and built an ontology using topic modelling techniques.

Hadoop Admininstrator at Wipro Technologies

January 2014 - April 2014 (4 months)

Client: Master Card International Inc. Installing, Configuring, Tuning, Maintaining and supporting the clusters of various sizes. The project involves analysis logs of the transaction data and providing value add points to the customers based on the transactions. Key Features: • High Availability • Fair Scheduler • Load balancing of data across the cluster and performance tuning of various jobs running on the cluster. • Implementation of Kerberos authentication. (Cross-realm authentication) • Integration/Configuration with various databases like Postgres (default), Oracle. • Backup and Disaster Recovery(BDR) • Cloudera Management Services - Health Checks/Alerts. • Navigator Integration (Data Audit and Access Control) • Performance Testing between Hive and Impala • Importing Data from Oracle to HDFS using Sqoop.

Hadoop Developer at Wipro Technologies

July 2013 - December 2013 (6 months)

Was a part of Information Management Practice and worked on Hadoop hardening. Worked on Hive updates and Hive Schema changes.

Co-ordinator - Public Relations at Incident

March 2013 - March 2013 (1 month)

  Was the co-ordinator of the team that was responsible in organizing an event in collaboration with Airtel
  which set the most number of people play an online game from the same place, eventually breaking the
  previously held Guinness record.

Joint Convener - Prizes at   Engineer

October 2012 - October 2012 (1 month)

  Was the Joint Convener of the Prizes team, that was responsible for distribution of prizes and certificates
  for the winners and participants. It was a challenging task since we were a small team and the number of
  participants exceeded 6000.

Summer Intern at   ITI Financial Services Ltd

June 2012 - June 2012 (1 month)

Vocational Trainee at   Hutti Gold Mines Limited

May 2012 - May 2012 (1 month)

  Underwent a training on underground metal mining. It gave a practical perspective of the underground metal
  mining methods, especially in connection with Underground Gold Mining.

Vocational Trainee at   The Singareni Collieries Company Ltd

May 2011 - May 2011 (1 month)

  Underwent a training on underground coal mining. I got an insight on both the bord and pillar and longwall
  mining methods for coal extraction and also gained knowledge on the various development methods.

Vocational Trainee at   National Mineral Development Corporation

December 2010 - December 2010 (1 month)

  As trainee, I gained practical exposure to various open cast mining concepts like Drilling and Blasting,
  dumping, loading, conveying, mucking, overburden removal and mineral processing.

Projects

Hadoop Administration/Development

December 2013 to Present

Members:Manikhantan S, Puneetha BM, vishnu Subramanian, Jagjeet Singh, Raja Thiruvathuru

  Customer: Master Card International Inc. Installing, Configuring, Tuning, Maintaining and supporting the
  clusters of various sizes. The project involves analysis logs of the transaction data and providing value add
  points to the customers based on the transactions.   Key Features: • High Availability • Fair Scheduler •
  Load balancing of data across the cluster and performance tuning of various jobs running on the cluster.
  • Implementation of Kerberos authentication. (Cross-realm authentication) • Integration/Configuration
  with various databases like Postgres (default), Oracle. • Backup and Disaster Recovery(BDR) • Cloudera

Management Services - Health Checks/Alerts. • Navigator Integration (Data Audit and Access Control) • Performance Testing between Hive and Impala • Importing Data from Oracle to HDFS using Sqoop

Big Data : Master Card International Inc.

February 2013 to February 2014

Members:Manikhantan S, James George, Puneetha BM, Raja Thiruvathuru, vishnu Subramanian, Jagjeet Singh

Installing, Configuring, Tuning, Maintaining and supporting the clusters of various sizes. Key Features: • High Availability • Fair Scheduler • Load balancing of data across the cluster and performance tuning of various jobs running on the cluster. • Implementation of Kerberos authentication. (Cross-realm authentication) • Integration/Configuration with various databases like Postgres (default), Oracle. • Backup and Disaster Recovery(BDR) • Cloudera Management Services - Health Checks/Alerts. • Navigator Integration (Data Audit and Access Control) • Performance Testing between Hive and Impala • Importing Data from Exadata to HDFS using Sqoop

Analysis of different models of Surface Miner (Academic Project)

April 2013 to Present

Members:Manikhantan S, Manjunath Holin, Adarsh J

1. Analysed and compared various mining parameters for different models of Surface Miner machine 2. Determined the parameters to be considered in deploying Surface Miner machine in limestone mines by doing field study at India Caments Chennai

Honors and Awards

Organizing Team

NITK

October 2012

Core Organizing Team

NITK

March 2013

Skills & Expertise

C
Mining
Algorithms
Hadoop
Big Data
MapReduce

Languages

Tamil	(Native or bilingual proficiency)
English	(Full professional proficiency)
Hindi	(Full professional proficiency)
Kannada	(Professional working proficiency)

Telugu	(Limited working proficiency)
Malayalam	(Elementary proficiency)
German	(Elementary proficiency)

Education

National Institute of Technology Karnataka
Bachelor of Technology, Mining Engineering, 2009 - 2013
Grade: 8.56 (CGPA)

G K Shetty Hindu Vidyalaya MHSS Adambakkam
Tamil Nadu Higher Secondary Certificate, 2008 - 2009
Grade: 94.83%

G K Shetty Hindu Vidyalaya MHSS Adambakkam
Secondary School Leaving Certificate, 2006 - 2007
Grade: 92.63%

Patents

A system and method for detecting security breach incidents and raising alerts in real-time
India Patent Application 103/CHE/2015
Inventors: Manikhantan S

Method And Device For Estimating Efficiency Of An Employee Of An Organization
India Patent Application 691/CHE/2015
Inventors: Manikhantan S

Publications

Real time security breach alert system
International Symposium in honor of Dr. A. Ravi Ravindran
Authors: Manikhantan S

Highly commended paper award in Analytics category.

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Contact Manikhantan on LinkedIn