Ashwin Chati

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Education:

- **Illinois Institute of Technology, Chicago, IL, USA**   **May 2017**
  Masters in Computer Science   GPA**:** 3.44

  Relevant Courses: Cloud Computing, Design and Analysis of Algorithms, Advanced Operating Systems, Advanced Database Organization, Data Mining, Online Social Network Analysis, UML Modeling, Economic & Privacy Issues in Big Data

- **Yeshwantrao Chavan College of Engineering, Nagpur, India**   **May 2012**
  Bachelor of Engineering in Computer Technology   GPA**:** 3.5

Summary:

- Red Hat Linux and SQL Certified professional with more than 2 years of work experience in RDBMS, ETL, Data Modeling and Data Warehousing.
- Expertise in Java & Python development, testing and debugging.
- Expertise in Object Oriented Programming, Algorithms & Data Structures and Design Patterns.
- Expertise in Unix Shell Scripts development and debugging for automation.
- Hands-on experience on Big Data technologies such as HDFS, MapReduce, Hive, Pig and Sqoop.

Technical Skills:

Programming Languages	Java, Python, Unix Shell Scripting, C, C++
Amazon Web Services	EC2, S3, SQS, DynamoDB, EBS
Frameworks	JUnit, Spring
Relational/ NoSQL Databases	Oracle, PostgreSQL, MySQL, MongoDB, CouchDB, Redis
Big Data Technologies	Hadoop, HDFS, MapReduce, Pig, Hive
Web Technologies	HTML5, XML, CSS, JavaScript, Bootstrap, jQuery, JSON
ETL Tools	Informatica Power Center, Oracle Warehouse Builder
Tools	Eclipse, IntelliJ, PyCharm, Git, SVN

Certifications:

- Oracle Database SQL Certified Expert   **February 2013**
- Red Hat Certified Engineer   **July 2010**

Professional Experience:

Associate Consultant, Capgemini India Pvt Ltd.   **November 2012 – July 2015**

- **Role: Software Developer**
  - Designed and developed data warehousing solutions using agile development practices.
  - Analyzed and optimized ETL routines which improved overall performance by 20%.
  - Developed Java transformations, PL/SQL stored procedures, functions and views, SQL scripts for analysis of data stored in Oracle database.
  - Implemented ETL routines using Informatica Power Center to populate databases from multiple sources.
  - Created SQL Loader scripts for loading the data from flat files into Oracle database.

Academic Projects:

- Implemented a distributed task execution framework using Java, Amazon EC2, Amazon SQS and DynamoDB.
- Developed a sorting application to sort 100 GB data using Java, Hadoop, Spark and Amazon EC2.
- Developed a distributed key-value storage system using Java and evaluated its performance with key-value storage systems like MongoDB, CouchDB, Redis on Amazon EC2.
- Implemented a distributed peer-to-peer file sharing system using Java, multi-threading and socket programming.
- Developed CPU, Disk and Memory benchmarking system using C language and Amazon EC2.
- Implemented a content-based recommendation algorithm in Python.
- Developed a text classifier for sentiment analysis using Python, NumPy, Pandas.
- Implemented a community detection and link prediction system using machine learning in Python.
- Developed a web crawler in Python for collecting data using Twitter REST API.
- Designed and developed a dashboard for data analytics and visualization using HTML5, CSS, Bootstrap, JavaScript, Chart.js and Dataframe.js.