

## Chirag Bhansali ([Profile](#))

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<b>Profile</b>	Detail oriented, result driven Database Architect with 9 years of experience in database design, architecture, management, maintenance, performance tuning, upgrade & Enterprise reporting in Banking & Advertisement domain utilizing major commercial database engines(Oracle, Greenplum, PostgreSQL, Mongodb, MySQL & SQL server) with in-depth knowledge of Big data technologies & statistical modelling, possess great data analytical & visualization skills
<b>EXPERIENCE</b>	<b>DATABASE ARCHITECT</b>
09/2015 – 08/2019	<b>Mediaocean, Pune, Maharashtra, India</b> <ul style="list-style-type: none"><li>Led data services team in successful upgrade of Oracle and Greenplum databases for end-product</li><li>Performance tuned and redesigned ETL queries to reduce the overall completion time by 60%</li><li>Architecture design &amp; development of ETL in Talend to load the transaction data from Oracle to Greenplum.</li><li>Design and development of complex and interactive reports and dashboard using Tableau software.</li><li>Research database technology, propose changes &amp; develop database platform-based implementation plans</li><li>Introduced &amp; successfully implemented AWS RDS, EC2, redshift and DMS services</li><li>Created database standards allowing for rapid deployment, optimum performance &amp; business customer flexibility using RAC, ASM, Data Guard and 12c Multitenant architecture.</li><li>Provided direct assistance to leadership team in acquiring a business deal breakthrough with vendor partners</li></ul>
03/2015 – 09/2015	<b>CONSULTANT</b> <b>Atos, Pune, Maharashtra, India</b> <ul style="list-style-type: none"><li>Design, development and implementation of database systems, backup and recovery process</li><li>Optimize database systems for performance and operational efficiency</li></ul>
09/2010 – 03/2015	<b>IT ANALYST</b> <b>Tata Consultancy Services, Pune, Maharashtra, India</b> <ul style="list-style-type: none"><li>Tuned queries and database, performed backup/recovery, data export/import using Data Pump, authentication, auditing, database monitoring, patch installation and other DBA tasks (24x7 support)</li><li>Designed and implemented security monitoring tool to capture real time alerts</li><li>Website development using JSP, Oracle for report viewing &amp; download in .gz format of more than 1300+ branches</li><li>Fine-tuned oracle financial application queries to reduce query time by 80%</li><li>Upgrade Oracle E-Business Suite from 11.5.10.2 to 12.1.3</li><li>Led 12 members of Database &amp; System admin team &amp; responsible for task assignment training &amp; performance</li></ul>
<b>Notable Project Experience:</b>	<b>Database Architect: Mediaocean, Pune</b> Architectural design, development & performance tuning of Global product database system. Upgrade & patching of oracle database & RAC from 11g standard edition to 12c enterprise edition with multitenant architecture and data guard. <b>Technology:</b> Oracle, Oracle RAC & ASM, Oracle OEM, Linux, Shell scripting, SolarWinds, Jira & confluence.
03/2019 – 07/2019	<b>Database Architect: Mediaocean, Pune</b> Migration of Greenplum databases from end of support data computing appliance to on premise hardware and upgrade from 4.3 to 5.7 <b>Technology:</b> Greenplum, pgadmin, EMC DCA, Linux, Shell scripting, Jira, Quickbuild & confluence
01/2017 – 08/2017	<b>Senior Database Administrator: Mediaocean, Pune</b> Database design and environment setup of Oracle, Greenplum and mongodb databases on AWS with RDS, EC2 and S3 buckets for new clients. <b>Technology:</b> Oracle, Oracle OEM, AWS Oracle RDS, AWS EC2, AWS DMS, AWS S3, Robomongo, Greenplum, pgadmin, Shell scripting, Jira, Quickbuild & confluence.
05/2016 – 12/2016	<b>Senior Database Administrator: Mediaocean, Pune</b> Database restructuring, design, development and tuning of Global product database system along DNFS refresh of staging database to bring down overall size and refresh timing by 80%. <b>Technology:</b> Oracle, DNFS, Shell scripting, Data pump, Oracle OEM, Jira, Quickbuild & confluence

01/2013 – 03/2014	<b>IT Analyst: Tata Consultancy Services, Pune</b> Design, development, upgrade & production support of mission critical financial applications database system in data warehouse environment along with website development for report viewing and download. <b>Technology:</b> Oracle, Oracle RAC, Oracle OEM, Unix, shell scripting, jsp, html & Perl
<b>EDUCATION</b>	
08/2019 - Present	<b>Master's in Data Science (GPA: 3.71)</b> <b>Illinois Institute of Technology</b> , Chicago, Illinois, United States Big Data Technologies, Natural Language processing, Machine Learning, Bayesian Computation & Project Management
06/2006 – 07/2010	<b>Bachelor's in Computer Science (GPA: 3.75)</b> <b>Rajiv Gandhi Technical University</b> , Indore, Madhya Pradesh, India Data Structures, Algorithms, Software Engineering, OOP, Operating Systems
<b>Academic Projects</b>	
03/2020 – 04/2020	<b>Chicago Crime Dataset Data analysis:</b> <ul style="list-style-type: none"> <li>Leveraged big data technologies such as Apache Hive, Pig, Apache Spark for deriving insights about the crime.</li> <li>Built prediction model for predicting type of crime irrespective of preparator using logistic regression model and random forest classifier, the predictive model achieved an accuracy of 63 %</li> </ul> <b>Technology:</b> Python, R, Apache Pig, Apache Hive, Apache Spark, Hadoop, HDFS & Jupyter notebook
03/2020 – 04/2020	<b>Text classification model to address the task of native language identification</b> <ul style="list-style-type: none"> <li>Trained a text categorization model using BERT in order to predict the native language attribute of data</li> <li>Used trained model to make predictions on data, produced appropriate evaluation metrics for each class, and identified the frequencies of misclassifications between each pair of classes.</li> </ul> <b>Technology:</b> Python & Jupyter notebook
03/2020 – 04/2020	<b>Bayesian computation of Game of Thrones prediction of point of view of characters.</b> <ul style="list-style-type: none"> <li>Used hierarchical model to predict the outcome using the point of view chapters using Poisson distribution followed by a normal distribution.</li> <li>Used the model to predict how many chapters will be told from point of view of each character in future novels.</li> </ul> <b>Technology:</b> Python, R, Jupyter notebook & RStudio
<b>SKILLS</b>	<ul style="list-style-type: none"> <li><b>Languages:</b> Python (Libraries: pandas, NumPy, matplotlib, pytorch), R, SQL, PL/SQL, Shell</li> <li><b>Big Data Ecosystems:</b> Hadoop, MapReduce, HDFS, HBase, Spark, Hive, Pig, Cassandra, S3 buckets and Talend</li> <li><b>Database:</b> Oracle, Greenplum, PostgreSQL, Mongo, MySQL, Microsoft SQL Server</li> <li><b>Operating System:</b> Linux RHEL6/7, Windows Server 2014, Aix 6.1</li> <li><b>Tools:</b> Jupyter Notebook, RStudio, MS Excel, MS PowerPoint, Tableau, AWS, TOAD, pgadmin, Quickbuild, JIRA, Git</li> </ul>
<b>CERTIFICATIONS</b>	<ul style="list-style-type: none"> <li>ITIL foundation certificate in IT Service Management</li> <li>Oracle Database 11g Administrator Certified Associate</li> <li>Oracle Database SQL Certified Expert</li> </ul>
<b>ACHIEVEMENTS</b>	<ul style="list-style-type: none"> <li>Brand value Award – Global recognition award for successful completion of project in Mediaocean</li> <li>Best Team Award – Successful completion of project in TCS</li> </ul>