

Chirag Bhansali ([Profile](#))

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Profile	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
EXPERIENCE	DATABASE ARCHITECT
09/2015 – 08/2019	Mediaocean, Pune, Maharashtra, India <ul style="list-style-type: none">Led data services team in successful upgrade of Oracle and Greenplum databases for end-productPerformance tuned and redesigned ETL queries to reduce the overall completion time by 60%Architecture design & development of ETL in Talend to load the transaction data from Oracle to Greenplum.Design and development of complex and interactive reports and dashboard using Tableau software.Research database technology, propose changes & develop database platform-based implementation plansIntroduced & successfully implemented AWS RDS, EC2, redshift and DMS servicesCreated database standards allowing for rapid deployment, optimum performance & business customer flexibility using RAC, ASM, Data Guard and 12c Multitenant architecture.Provided direct assistance to leadership team in acquiring a business deal breakthrough with vendor partners
03/2015 – 09/2015	CONSULTANT Atos, Pune, Maharashtra, India <ul style="list-style-type: none">Design, development and implementation of database systems, backup and recovery processOptimize database systems for performance and operational efficiency
09/2010 – 03/2015	IT ANALYST Tata Consultancy Services, Pune, Maharashtra, India <ul style="list-style-type: none">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)Designed and implemented security monitoring tool to capture real time alertsWebsite development using JSP, Oracle for report viewing & download in .gz format of more than 1300+ branchesFine-tuned oracle financial application queries to reduce query time by 80%Led 12 members of Database & System admin team & responsible for task assignment training & performance
Notable Project Experience:	Database Architect: Mediaocean, Pune Architectural design, development & performance tuning of 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. Technology: Oracle, Oracle RAC & ASM, Oracle OEM, Linux, Shell scripting, SolarWinds, Jira & confluence.
03/2019 – 07/2019	Database Architect: Mediaocean, Pune Migration of Greenplum databases from end of support data computing appliance to on premise hardware and upgrade from 4.3 to 5.7 Technology: Greenplum, pgadmin, EMC DCA, Linux, Shell scripting, Jira, Quickbuild & confluence
01/2017 – 08/2017	Senior Database Administrator: Mediaocean, Pune Database design and environment setup of Oracle, Greenplum and mongodb databases on AWS with RDS, EC2 and S3 buckets for new clients. Technology: Oracle, Oracle OEM, AWS Oracle RDS, AWS EC2, AWS DMS, AWS S3, Robomongo, Greenplum, pgadmin, Shell scripting, Jira, Quickbuild & confluence.
05/2016 – 12/2016	Senior Database Administrator: Mediaocean, Pune 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%. Technology: Oracle, DNFS, Shell scripting, Data pump, Oracle OEM, Jira, Quickbuild & confluence

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