

Chirag Bhansali

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Profile	Detail Oriented and result driven Data Science student who excels in managing large databases, performing data collection and analysis with in-depth knowledge of statistical model and Big data technologies, possess great analytical and problem-solving skills, excellent in multitasking and significant ability to work in a team
EXPERIENCE	DATABASE ARCHITECT <i>09/2015 – 08/2019</i> 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 <i>03/2015 – 09/2015</i> 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 <i>09/2010 – 03/2015</i> 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
EDUCATION	Master's in Data Science (GPA: 3.71) <i>08/2019 - Present</i> Illinois Institute of Technology, Chicago, Illinois, United States Big Data Technologies, Natural Language processing, Machine and Statistical Learning, Bayesian Computation <i>06/2006 – 07/2010</i> Bachelor's in Computer Science (GPA: 3.75) Rajiv Gandhi Technical University, Indore, Madhya Pradesh, India
Academic Projects	Chicago Crime Dataset Data analysis: <i>03/2020 – 04/2020</i> <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 % <i>03/2020 – 04/2020</i> 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 dataUsed 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. <i>03/2020 – 04/2020</i> 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.
SKILLS	<ul style="list-style-type: none">Languages: Python (Libraries: pandas, NumPy, matplotlib, pytorch), R, SQL, PL/SQL, NoSQL, ShellBig Data Ecosystems: Hadoop, MapReduce, HDFS, HBase, Spark, Hive, Pig, S3 buckets and TalendDatabase: Oracle, Greenplum, Postgres, Mongo, MySQL, MSSQLOperating System: Linux RHEL6/7, Windows Server 2014, AIX 6.1Tools: 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 ManagementOracle Database 11g Administrator Certified AssociateOracle Database SQL Certified Expert
ACHIEVEMENTS	<ul style="list-style-type: none">Brand value Award – Global recognition award for successful completion of project in MediaoceanBest Team Award – Successful completion of project in TCS