KRITI SINHA Mobile: +91 9370359448 | Email: kritisinha29@gmail.com | LinkedIn: kriti sinha | LinkedIn | GitHub: https://github.com/ksinha29/ Address: C 106, Ozone Villa, Wagholi, Pune-412207 | Date of Birth: April 29, 1984 | **Languages:** English, Hindi | **Education:** M.C.A, 2007 - 60% |Blogs

---

Accomplished Data Scientist | Database Expert | Thought Leader | Published Author
An accomplished Data Scientist with a remarkable 20-year journey in the IT landscape, enriched by 10 years of exceptional expertise in AI, Data Science, Database Training/Teaching. Revered as the visionary author behind 'Structured Query Language For all RDBMS and PL/SQL', **'Advanced Python Guide for Students'** in 44 countries.

Skills:
Data Science, Machine Learning, Deep Learning, AI, NLP, Gen AI, Data Visualization
Database: Oracle, SQL Server, MongoDB, MySQL, Couchbase
Platform/tool: AWS, Azure, GCP, Databricks, Exalead, Nifi, DataRobot, PowerBI
Programming Languages: Python, PySpark, ColdFusion 18, Ajax, HTML, Bootstrap, JavaScript.

Key Highlights:
Generative AI for Everyone: Coursera (90%), Vertex AI course from Google, Azure AI (MS)
SI Architect Certification Program: MongoDB
Machine Learning to Deep Learning: ISRO's transformative journey.
Data Science Mastery: Flawless 100% score in 2020-2021 deployment.
IBM Cloud Certified: 93% in Cloud Computing (May 2013).
Oracle Accolades: 1ZO-146 (96%), 1ZO-147 (95%), 1ZO-007 (84%).
Database Administrator: Oracle Database 11g Administrator Certified Associate (April 2012).

Work Chronicle:
Director: Capgemini (27th Nov 2023 - Present)
Data Scientist IT-CTO: Toll Technology (August 2022 – 26th Nov 2023)
Data Scientist Manager: Dassault Systems Pune (October 2010 - July 2022)
Internal SQL Server Trainer: Dassault Systems Pune (Since October 2010)
Reviewer: McGraw Hill Pvt. Ltd. Publication
Associate-Software: Synechron Pune (August 2010 - September 2010)
Consultant (Software Developer): R-System Pune (April 2010 - June 2010)
Team Lead: Team Group, Bangalore (April 2008 - March 2009)
Software Developer: C.C.S.E (October 2006 - April 2008)
Faculty: Sikkim Manipal University, Varanasi (June 2004 - March 2005)
Post Graduate Teacher: Kendriya Vidyalaya (May 2004 - October 2006)

Innovative Projects:
Sustainable profitability: Data Scientist Director,
Environment: Python, Gen AI, Azure synapse, LLM, ChatGPT
Description: The profitability project focuses on leveraging Gen AI and AI-driven solutions to enhance Prediction procedures, ensuring efficiency gains. The project entails developing a strategic roadmap for integrating generative AI.
Labour Forecasting: Data Scientist Director, Environment: Databrick, Python, AI & ML, MDP, Description: Forecasting short term labor needs.
Search based on pdf: Data Scientist Director, Environment: Databrick, Python, Bert, GPT for semantic search, Cognitive search for indexing. Description: Providing PDF data-based search for healthcare providers for different purposes, about treatment, Diagnostic, equipment etc.
Root cause analysis and anomaly detection: Data Scientist Director Environment: Python, ML, Oracle Data Lake, Azure, Power BI Description: Analysis on profitability data to get root cause for Up trading, down trading and anomaly detection.
Global Green House Carbon Emission: Data Scientist Project Manager, Environment: Python, ML, Oracle Data Lake, Azure, Power BI Description: Processed supervised data to analyze fuel emissions across the globe, using time series insights and predictive modelling.

Subcontractor Fraud Detection : Data Scientist Project Manager, Environment: Python, ML, Oracle Data Lake, Azure, Power BI Description: Anomaly detection for subcontractor bill claim.

Pick Face Optimization Role: Data Scientist Project Manager
Environment: Python, ML, Oracle Data Lake, Azure, Power BI
Description: Enhanced Lindt's pick face strategy by analysing recipient, shipment, and stock data with predictive time series modelling.

Employee Churn Reduction Role: Data Scientist Project Manager
Environment: Python, ML, Data Lake, Azure, Power BI
Description: Predicted and mitigated employee churn through supervised analysis, utilizing time series data across locations.

Space Station Module Design https://www.youtube.com/watch?v=HEDSZJ58BtA Role: Chief Dreamer
Environment: Web Scraping, Python, ML, 3DEXPERIENCE Platform
Description: Visualized module themes and led team coordination for a space station project.

Dispatch & Cloud Checker Models Role: Data Scientist Manager
Environment: Python, NLP, Oracle Data Lake, exalead, 3DEXPERIENCE Platform
Description: Extracted insights from unsupervised data to enhance dispatcher accuracy and cloud operations.

Topic Modelling Insights Role: Data Scientist Manager
Environment: NLP, Cloudera Spark, Python, Oracle, Couchbase, exalead Cloud, NiFi, 3DEXPERIENCE Platform. Description: Uncovered significant insights through topic modeling in unsupervised data.

BR Sensitive Words Analysis Role: Data Scientist Manager
Environment: Cloudera Spark, Python, Oracle, Couchbase, exalead Cloud, NiFi, 3DEXPERIENCE Platform. Description: Processed and visualized BR content to identify and clean sensitive words.

Knowledge Base Enhancement Role: Data Scientist Manager
Environment: Data Science (Python, pyspark, oracle, Couchbase), exalead Cloud, NiFi, 3DEXPERIENCE Platform. Description: Predicted customer search patterns, creating insightful dashboards for informed management decisions.

MTBF Improvement Initiative Role: Data Scientist Manager
Environment: Data Science (Python, mongo db, AWS), K-means Clustering, 3DEXPERIENCE Platform
Description: Reduced MTBF percentage by utilizing data-driven insights and predictive modeling.

Employee Workload Forecasting Role: Data Scientist Manager
Environment: Data Science (Python, SQL Server, mongo db), 3DEXPERIENCE Platform
Description: Predicted employee workloads, optimizing project planning and resource allocation.

Conceptual Search Enhancement Role: Data Scientist Manager
Environment: Data Science (Python, mongo db, PyCaret), 3DEXPERIENCE Platform
Description: Improved search functionality, providing predictions for high-severity issues.

Software Performance Reporting Role: Development Manager
Environment: ColdFusion 18, SQL Server 2016, Data Analysis, Data Visualization
Description: Enhanced performance reporting system, ensuring optimal software functionality.

New Business Front End Development Role: Database Developer
Environment: Domino Server, Oracle 10g, PLSQL, PL SQL Developer
Description: Developed Loan Origination System, streamlining proposal processing and interfacing with scoring and receivable systems.

Notable Achievements:
- Honored Chief Guest & Session Chair, "Applied Soft Computing and Data Mining" State Level Conference, Parvatibai Genba Moze College of Engineering, Pune.
- Expert Panel Member, pre-submission seminar on "Determinants of Blockchain Adoption in Supply Chain Management," SP Jain School of Global Management.
- Recipient of Multiple Spot Awards, Kudos, Hackathon, and Techathon Awards for innovation and excellence.
- Guest Lecturer as industry expert at MIT college Pune.
- Guest Lecturer as industry expert at Pimpri Chinchwad College of Engineering, Pune.