KRITI SINHA

Mobile: +91 9370359448 | Email: kritisinha29@gmail.com | LinkedIn: Kriti Sinha | GitHub: ksinha29 Address: C 106, Ozone Villa, Wagholi, Pune-412207 | Date of Birth: April 29, 1984 | Languages: English, Hindi | Ph.D. in Artificial Intelligence & Generative AI (Pursuing) at IITM Pune – Through MIT Pune | M.C.A. – 60% (2007)

Results-driven **Data Scientist** and **Solution Architect** with 20 years of experience, including 10 years leading **Generative AI**, **Machine Learning**, and cloud-based solutions. Skilled in hands-on solution building, **POC development**, and crafting impactful **RFPs**. Proven success in designing AI models and cloud architectures that deliver real business value.

An **author** and **thought leader** in AI, I leverage a strong academic foundation to drive innovation and share knowledge globally. Passionate about leading teams to deliver cutting-edge, scalable solutions that empower organizations across industries.

Key Skills

- Customer-Facing Solutions & Solution Architecture
- AI, Machine Learning (ML), Deep Learning, NLP, GenAI (LLMs, OpenAI)
- Proof of Concept (POC) Design & Execution, Request for Proposal (RFP) Preparation & Client Engagement
- Programming: Python, PySpark, SQL, JavaScript
- Cloud Platforms & Tools: AWS, Azure, GCP, Databricks, DataRobot, Exalead, Nifi
- Databases: Oracle, SQL Server, MongoDB, MySQL, Couchbase

Key Certifications & Achievements

- Generative AI for Everyone – Coursera (90%)
- TOGAF 10 Foundation – Coursera (89.41%)
- Vertex AI – Google, Azure AI – Microsoft
- Machine Learning to Deep Learning – ISRO
- IBM Cloud Computing Certified – 93%
- Oracle Certifications: 1ZO-146 (96%), 1ZO-147 (95%), 1ZO-007 (84%)
- Oracle Database 11g Administrator Certified Associate

Work Chronicle:

Director - Data Scientist & Solution Architect - Capgemini | Nov 2023 – Present

- Leading customer-facing AI/ML solution architecture, deploying advanced models on AWS, Azure, and Databricks.
- Driving POC development for AI solutions in supply chain, predictive analytics, and anomaly detection.
- Spearheading RFPs for large AI/ML projects, contributing to winning proposals .

Data Scientist IT-CTO - Capgemini Toll Technology | Aug 2022 – Nov 2023

- Worked directly with clients as a Solution Architect to design and implement AI/ML-driven solutions, developing POCs and RFP responses for large enterprise customers.
- Led time series forecasting and labor demand prediction models, delivering customer-facing demonstrations and securing new business.

Data Scientist Manager- Dassault Systems Pune | Oct 2010 – Jul 2022

- Delivered end-to-end AI solutions, including NLP search, workforce optimization models, and anomaly detection frameworks for multiple clients.
- Led client discussions, gathered requirements, and developed POCs for AI/ML applications.
- Crafted detailed RFPs, showcasing AI and cloud solutions, securing key contracts.

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 Model (Generative AI)
- Role: Solution Architect, Environment: Azure Synapse, LLMs, Python, Generative AI
- Description: Led the POC and solution architecture for an AI-driven profitability optimization system leveraging Generative AI and predictive analytics to improve business forecasting. Delivered customer-facing demonstrations and secured a new long-term client partnership.

Labor Forecasting & Demand Prediction
- Role: Delivery Architect, Environment: Databricks, Python, Azure AI, ML
- Description: Designed and implemented time series forecasting models for labor demand, providing POC models for clients to demonstrate real-world benefits of AI-driven workforce optimization.

Global Greenhouse carbon Emissions Analysis
- Role: Solution Architect, Environment: Python, Machine Learning, Oracle Data Lake, Azure
- Description: Developed a global fuel emissions analysis platform utilizing time series insights and predictive modeling, presented as a POC for several sustainability-focused clients. Delivered client workshops and RFPs.

Subcontractor Fraud Detection System
- Role: Data Scientist Project Manager & Solution Architect, Environment: Python, Machine Learning, Oracle Data Lake, Azure
- Description: Architected and developed an anomaly detection system to prevent subcontractor fraud, creating a customer-facing POC and detailed RFP responses to secure new business with clients in the construction and manufacturing sectors.

Predictive Time Series Modeling for Supply Chain Optimization
- Role: Data Scientist Project Manager, Environment: Databricks, Python, Azure, Power BI
- Description: Led the architecture and POC development for a supply chain optimization solution, leveraging predictive time series models to enhance forecasting accuracy. Worked directly with customers to demonstrate solution benefits and secure buy-in.

Employee Churn Reduction using Predictive Analytics
- Role: Data Scientist Project Manager & Solution Architect, Environment: Azure, ML, Data
- Description: Designed a predictive analytics solution for employee churn, delivering a POC that integrated time series data and supervised learning to predict churn rates. Developed RFPs to win new client contracts in the HR and talent management space.

Space Station Module Design
- Role: Chief Dreamer | Tech: Web Scraping, Python, ML, 3DEXPERIENCE Platform
- Description: Led visioning and coordination of a space station project, using web scraping and ML to generate module designs. Managed a cross-functional team to visualize and showcase the concept on the 3DEXPERIENCE Platform. [Watch here](#).

MTBF Improvement Initiative
- Role: Data Scientist Manager | Tech: Python, MongoDB, AWS, K-means Clustering
- Description: Led an MTBF improvement project using data-driven insights and predictive modeling, reducing failure rates and enhancing operational efficiency.

Notable Achievements:
- [Published Author](#): "**Structured Query Language for All RDBMS and PL/SQL"**: A comprehensive SQL & PL/SQL guide, used in 44+ countries by learners and professionals. **"Advanced Python Guide for Students"**: Focused on advanced Python concepts for data scientists and engineers, adopted in global curriculums.
- **Chief Guest & Session Chair** at the *"Applied Soft Computing and Data Mining" State Level Conference* at Parvatibai Genba Moze College of Engineering, Pune.
- **Expert Panel Member** for a seminar on *"Determinants of Blockchain Adoption in Supply Chain Management"* at SP Jain School of Global Management.
- **Recipient of Multiple Spot Awards, Hackathon & Techathon Awards** for innovative solutions.
- **Guest Lecturer** at MIT College Pune & Pimpri Chinchwad College of Engineering, Pune.