

Kirankumar Yadav

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Skills

- Core Competencies: Data Science, Machine Learning, MLOps / LLMOps, Generative AI, and Prompt Engineering.
- Programming and Scripting Languages: Python, SQL, Markdown, HTML, CSS, JavaScript, React, Node, and DAX.
- Data Science Environments: Anaconda, Google Colab, JupyterLab, and Jupyter Notebook Interface.
- Development Environments: Microsoft Visual Studio Code, Google AI Studio, and JetBrains PyCharm.
- Business Intelligence (BI) Tools: Microsoft Power BI, Tableau, and Google Looker Studio (Data Studio).
- Databases: Microsoft SQL Server Management Studio, Teradata, and Databricks Data Intelligence Platform.
- AI Enabled Cloud Infrastructures: Microsoft Fabric, Snowflake AI Data Cloud, and SAP Data Intelligence Cloud.
- Generative AI Tools: Google Gemini, OpenAI ChatGPT, Microsoft Copilot, Anthropic Claude, and Perplexity.
- Productivity: Google Workspace, Microsoft 365, Apple iWork, Atlassian, Quip, Slack, Wrike, Gitlab, and GitHub.

Experience

AI/ML Lead: Broadridge Financial Solutions, Bangalore (December 2024 - Present)

Generative AI (GenAI), LLMs, Retrieval Augmented Generation (RAG), and Prompt Engineering

- OnboardingGPT: Led development of an AI-driven onboarding platform that streamlined workflows, optimized configuration, boosted SME engagement, enhanced conversion and operational efficiency by 80%.
- Generative AI (GenAI): Applied Generative AI with strategic prompt engineering to enhance onboarding conversion data and content quality, enhancing LLM response relevance, accuracy, and presentation.
- Retrieval Augmented Generation (RAG): Engineered an enterprise Knowledge Management framework by ingesting and vectorizing internal documentation to establish a centralized Knowledge Source. Enabled scalable RAG adoption across applications, delivering contextual, accurate, and domain specific AI responses.
- Snowflake AI Data Cloud: Leveraged an enterprise grade Snowflake Cortex AI to enable scalable data driven decision making across enterprise workflows and automated decision intelligence across business processes.

Senior Data Science Specialist: LTIMindtree, Bangalore (February 2024 - November 2024)

FOSFOR (Product by LTIMindtree): Data Science, DataOps, MLOps, LLMOps, GenAI, NLP, and NLG

- Enterprise AI Cloud: Led implementation and application of [Fosfor Decision Cloud](#) suite enabling advanced decision intelligence across the enterprise.
- Data Designer | Data Engineering: Implemented a comprehensive DataOps platform, that streamlined and optimized end-to-end data pipelines, improving data quality and processing efficiency by 50%.
- Insight Designer | Machine Learning Operations: Delivered a no-code/low-code platform, accelerating model development, training, and deployment for Data Scientists and Machine Learning Engineers.
- Decision Designer | Advanced Augmented Analytics: Deployed a decision intelligence tool enabling Business Analysts to derive actionable insights via natural language search, with future RAG integration potential.

Senior Data Scientist: Tata Consultancy Services, Bangalore (May 2021 - January 2024)

Apple Inc. SAP: Data Science, Machine Learning Operations (MLOps), and Business Intelligence (BI)

- MLOps with SAP Global System Platform: Directed the MLOps team, enhancing operational efficiency by 45% and reducing incident resolution time by 75% through strategic process optimization.
- Project Management Optimization: Delivered 45% faster project outcomes by deploying AI-powered Wrike.

- **SAP Platform Integration:** Associated with the SAP Business Technology Platform and Business Application Software Integration Platform teams, to ensure seamless data operations and migrations across [SAP Data Intelligence \(SAP DI\)](#) Platform, Data Lake, and SAP HANA Cloud Sidecar, achieving zero data integrity issues.
- **DevSecOps Automation:** Partnered and collaborated with the DevSecOps team to automate Jenkins pipelines, reducing deployment time by 80% through streamlined build and promotion processes.

Apple Inc. Business Process Reengineering (BPR): Business Excellence and Optimization

- **Label Validation Automation:** Pioneered automated label validation for barcode, QR code, data matrices, artwork, and marcom texts of the apple products, reduced the labelling errors by 65%.
- **Object Detection Pipeline | YOLOv5:** Deployed an auto-train pipeline using YOLOv5 for seamless label detection, decoding, and sequencing of the apple products, improving the detection accuracy by 60%.
- **Model Training and Iterative Improvement:** Enhanced detection accuracy by 30% through iterative training on extracted label clips, driving continuous improvement of the object detection pipeline.

Hewlett Packard Enterprise (HPE): Supply Chain Analytics and Insights (Advanced Analytics)

- **Exploratory Data Analysis (EDA):** Led data cleansing, transformation, visualization, and feature engineering efforts, resulting in a 70% improvement in data accuracy and processing efficiency.
- **Power BI Dashboards:** Designed interactive dashboards to monitor demand-supply gaps, SKU shortages and line of balance across AMR, EMEA, and APAC regions, enhancing decision-making precision by 80%.

Senior Data Analyst: Bluechip Corporate Investment Centre, Mumbai (October 2017 - May 2021)

- **Financial Data Collaboration:** Partnered with [Accord Fintech](#) and [ICRA Analytics](#), enhancing data quality by 60% and improving the financial analysis accuracy by 45%.
- **Market Analysis Integration:** Enabled seamless integration with Bluechip Corporate Investment Marketing team, increasing market analysis accuracy by 25%, and empowering more informed decision-making.

Leadership and Activities

Digital Productivity Specialist

- **Workflow Optimization:** Leveraged Google Workspace, Microsoft 365, Apple iWork, Atlassian (Confluence and Jira), and Salesforce (Quip, Slack, and Wrike) to enhance workflows, boosting the overall efficiency by 40%.
- **Product Innovation:** Engaged in early access programs (Experiments, Early Access, Public Previews, and Beta Versions), providing actionable feedback on features, usability, and accessibility for applications and OS updates.

Corporate Social Responsibilities

- **Industry Conference Participation:** Google I/O, Microsoft Build, Apple WWDC, Samsung SDC, CES, Snowflake and Adobe Summit to stay current. Gained productive and actionable insights to drive emerging technologies.
- **Diverse Event Coordination:** Directed technical workshops and new product Introduction events to drive impact.

Education

- **Postgraduate Certification:** Data Science and Artificial Intelligence, Mumbai (2020)
- **Bachelor of Engineering (B.E.):** Computer Engineering, University of Mumbai (2017)

Certification

- [Google AI Professional Certificate](#) | [Generative AI Leader](#) | [Google AI Essentials](#) | [Google Prompting Essentials](#)
- [Microsoft Generative AI for Data Scientist Specialization Certificate](#) | [My portfolio](#)