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 VS Code, Google AI Studio, Google Antigravity 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 Cloud Next, Microsoft Build, Apple WWC, Samsung SDC, CES, Snowflake and Adobe Summit to stay current. Gained productive 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](#) | [Snowflake Generative AI Professional](#) | [My portfolio](#)