# Kirankumar Yadav

Position: Senior AI Engineer • Email: iamkirankumaryadav@gmail.com • Phone: +919004967226
LinkedIn: linkedin.com/in/iamkirankumaryadav • Professional Portfolios: GitHub and Website

## Skills

- **Core:** Data Science, Machine Learning, MLOps, Generative Artificial Intelligence (GenAI) and Prompt Engineering.
- **Languages:** Python, SQL, Markdown, HTML, CSS, JavaScript (JS), React, and Data Analysis Expressions (DAX).
- **Data Science Environments:** Anaconda, Google Colab, JupyterLab, and Jupyter Notebook Interface.
- **Source Code Editor:** Microsoft Visual Studio Code, Firebase Studio, JetBrains PyCharm, and JetBrains Fleet.
- **Business Intelligence (BI) Tools:** Microsoft Power BI, Tableau, and Google Looker Studio (Data Studio).
- **Microsoft Excel Analytics:** Advanced Excel Power Pivot, Pivot Table, Pivot Chart, and Power Query.
- **Databases:** Microsoft SQL Server Management Studio, Teradata, and Databricks Data Intelligence Platform.
- **Cloud Infrastructures:** AWS Data Lab, Snowflake AI Data Cloud, GitHub Copilot, and SAP Data Intelligence Cloud.
- **Generative AI (GenAI):** Google Gemini, OpenAI ChatGPT, Microsoft Copilot, Anthropic Claude, and Perplexity.
- **Productivity:** Google Workspace, Microsoft 365, Apple iWork, Atlassian, Quip, Slack, Wrike, Gitlab and GitHub.
- **Creativity:** Canva AI, Notion AI, Adobe Express, Adobe Firefly, Microsoft Designer, Meta AI Studio, and Miro.
- **Foresight:** Microsoft Fabric, Google Marketing Platform, Framer, Figma, Sketch, and Adobe Creative Cloud.

## Experience

**UST, Bangalore (December 2024 - Present)**
**Senior Machine Learning Engineer**
**Broadridge Financial Solutions: Generative Artificial Intelligence (GenAI)**, and **Prompt Engineering.**

- **OnboardGPT:** Led development of an AI-powered onboarding specialist to streamline onboarding workflows, improve configuration and training, boost SME engagement, and enhance overall efficiency.
- **Generative AI (GenAI):** Applied GenAI technologies to drive innovation in onboarding conversion processes.
- **Prompt Engineering:** Designed and optimized prompts to improve output presentation and relevance.
- **Snowflake AI Data Cloud:** Utilized Snowflake's Cortex AI (Snowflake Intelligence, Cortex Agents, Cortex AISQL, Cortex Search, and Cortex Analyst) for scalable and intelligent decision-making.

**LTIMindtree, Bangalore (February 2024 - November 2024)**
**Senior Data Science Specialist**
**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 35%.
- **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.

**Tata Consultancy Services, Bangalore (May 2021 - January 2024)**
**Senior Data Scientist**
**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:** Revamped workflows by implementing Wrike, Atlassian Jira, Zendesk and ServiceNow, improving team collaboration and project delivery timelines by 80%.
- **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)
- **Applied Data Science:** Supervised Exploratory Data Analysis (EDA) with data cleansing, transformation, visualization, and feature engineering, achieving a 40% improvement in data accuracy and processing time.
- **Power BI Dashboards:** Developed interactive dashboards to monitor demand-supply gaps, SKU shortages and line of balance across AMR, EMEA, and APAC regions, enhancing decision-making precision by 30%.

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

- **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 WWC, 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.

# Education

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