

Kirankumar Yadav

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Skills

- **Core:** Data Science, Machine Learning Operations (MLOps), Business Intelligence (BI), and Scrum Master.
- **Languages:** Python, SQL, DAX, HTML, CSS, JavaScript, Bootstrap, and Markdown.
- **Data Science Environments:** Anaconda, JupyterLab, and Jupyter Notebook Interface.
- **Source Code Editor:** Microsoft Visual Studio Code, JetBrains PyCharm, and JetBrains Fleet.
- **Libraries:** Pandas, NumPy, PySpark, Matplotlib, Seaborn, Plotly, Bokeh, Scikit Learn, etc.
- **Business Intelligence (BI) Tools:** Microsoft Power BI, Google Looker Studio (Data Studio), and Tableau.
- **Microsoft Excel Analytics:** Power Pivot, Pivot Table, Pivot Chart, and Power Query.
- **Databases:** Microsoft SQL Server Management Studio, Teradata, Databricks, and Snowflake.
- **Cloud Infrastructures:** AWS Data Lab, AWS Workspace, Microsoft 365 Cloud PC, and ServiceNow.
- **Generative AI (GenAI):** OpenAI ChatGPT, Google Gemini, Perplexity AI, Microsoft Copilot, and Notion AI.
- **Productivity:** Google Workspace, Microsoft 365, Apple iWork, Atlassian, Quip, Slack, Wrike, and GitHub.
- **Creativity:** Canva, Adobe Express, Adobe Firefly, Microsoft Designer, Midjourney, and Miro.
- **Foresight:** Microsoft Fabric, Google Marketing Platform, Framer, Figma, and Adobe Creative Cloud.

Experience

LTIMindtree, Bangalore (February 2024 - Present)

Data Science Specialist

Fosfor Decision Cloud (Product by LTIMindtree): Data Science, DataOps, MLOps, GenAI, NLP, and BI

- Led the implementation of the Fosfor Decision Cloud, a suite of cloud-based tools encompassing:
- **Fosfor Spectra (Data Designer | DataOps | Data Engineering):** A comprehensive DataOps platform, that simplifies and optimizes the end-to-end data pipelines, resulting in a 25% improvement in data quality and processing efficiency.
- **Fosfor Refract (Insight Designer | MLOps | Data Science and Machine Learning Operations):** An enterprise MLOps platform that empowers us to adopt a no-code/low-code approach, enabling us to build, train, and deploy ML models at an accelerated pace.
- **Fosfor Lumin (Decision Designer | Advanced Augmented Analytics):** A decision intelligence tool, that empowers business users to explore vast datasets and gain actionable insights through natural language search and advanced analytics.

Tata Consultancy Services, Bangalore (March 2022 - January 2024)

Senior Data Scientist

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

- Directed the **MLOps Team**, overseeing operations and long-term sustenance efforts. Achieving a 45% increase in operational efficiency and a 25% reduction in incident resolution time through strategic process optimization on Systems, Applications and Products in Data Processing (**SAP**) **Global System Platform**.
- Revamped project management processes by implementing **Wrike**, the project management application improved team collaboration and project delivery timelines by 35%.
- Associated with the **Business Application Software Integration Platform (BASIS) Team**, ensuring smooth operations and migrations of data in the **SAP Data Intelligence (SAP DI) Data Lake** and **HANA Sidecar**, resulting in zero data integrity issues.
- Improved code quality and deployment efficiency by integrating **SAP DI** with **GitHub Enterprise** for creating **CI/CD** workflows. Conducted productive code reviews, reducing integration issues by 40%.
- Enhanced codebase security with **Gatehouse Check Engine** and **SonarQube** for code and host scanning, reducing vulnerabilities by 30%.
- Teamed up with the **Development, Security, and Operations (DevSecOps) Team** for **Jenkins** automation, triggering pipeline builds and promoting solutions. Automation reduced the deployment time by 80%.
- Coordinated with the **Quality Assurance Team** for **PT** (Performance Testing), **RT** (Regression Testing), and **UAT** (User Acceptance Testing) approvals and signoffs.

Data Scientist

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

- Pioneered automatic label validation processes, ensuring the accuracy and integrity of product labels (Barcode, QR code, data matrix, artwork, and marcom texts), reduced the labelling errors by 34%.
- Deployed Object Detection Auto-Train Pipeline utilizing YOLOv5, enabling the seamless detection, decoding, and sequencing of labels. This deployment improved the label detection accuracy by 30%.
- Trained models with extracted label clips, the training enhanced the detection accuracy in subsequent iterations by 20%, contributing to the continuous improvement of the object detection pipeline.
- Executed the Object Detection Auto-Train Pipeline on **Simcloud**, validating outputs and ensuring a 22% increase in overall accuracy, reducing false positives and negatives.

Digital Productivity Specialist

- Applied knowledge in **Google Workspace**, **Microsoft 365**, **Apple iWork**, and **Salesforce (Quip, Slack, and Wrike)** to significantly enhance workflows for individuals and organizations, The applications improved the overall efficiency and collaboration by 40%.
- Organized comprehensive training initiatives, empowering teams to effectively use productivity tools. Achieved a 25% increase in team proficiency and a notable reduction in support requests.
- Engaged in early access programs (Experiments, Previews and Beta Versions) for new applications and operating system updates, providing constructive feedback on features, usability, and accessibility.
- Established a comprehensive portfolio demonstrating proficiency in productivity tools, facilitating effective communication of skills. This initiative increased the professional visibility and opportunities by 80%.

Foraysoft, Hyderabad (May 2021 - February 2022)

Data Scientist

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

- Supervised **Exploratory Data Analysis** with data mining, data cleansing, data preprocessing, and data visualization in Python. Achieved a 40% improvement in data accuracy and processing time.
- Conducted **Excel Analytics** tools, including **Power Pivot**, **Pivot Table**, **Pivot Charts**, and **Power Query**, to streamline data analysis and reporting processes. This optimization increased the report accuracy by 25% and reduced the manual data handling by 80%.
- Engineered interactive dashboards with **Microsoft Power BI** to monitor demand-supply gaps, SKU shortages and line of balance across AMR, EMEA, and APAC regions. The dashboard improved the decision-making precision by 30%.
- Applied Data Science, and Business Intelligence methodologies in the Hi-Tech domain. Contributed to a 20% increase in operational efficiency and a 65% improvement in strategic decision-making.

Bluechip Corporate Investment Centre, Mumbai (October 2017 – May 2021)

Senior Data Analyst

- Collaborated with **Accord Fintech** and **ICRA Analytics**, enhancing data quality by 60% and improving the accuracy of financial analyses by 45%.
- Enabled seamless integration with the Marketing Team that improved the accuracy of market analyses by 25%, empowering more informed decision-making.

Leadership and Activities

Corporate Social Responsibilities

- **Diverse Event Coordination:** Directed technical workshops, new product introduction (NPI) events.
- **Industry Conference Participation:** **Google I/O**, **Microsoft Build**, **Apple WWC**, **Samsung SDC**, **CES**, and **Adobe Summit** to stay current. Gained insights to drive the adoption of emerging technologies.

Education

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