

# Kirankumar Yadav

Role: Data Scientist • Email: [iamkirankumaryadav@gmail.com](mailto:iamkirankumaryadav@gmail.com) • Phone: [+919004967226](tel:+919004967226)

Location: Bangalore, India • Profile Links: [Linkedin](#), [GitHub](#), and [Personal Website](#)

## Skills

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- Core: Data Science, Data Analytics, Business Intelligence, MLOps, and Artificial Intelligence.
- 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, Matplotlib, Seaborn, Plotly, Bokeh, Scikit Learn, etc.
- Business Intelligence Tools: Microsoft Power BI, Google Data Studio, and Tableau.
- Microsoft Excel Analytics: Power Pivot, Pivot Table, Pivot Chart, and Power Query.
- Databases: Microsoft SQL Server Management Studio, Teradata, and Snowflake.
- Cloud Infrastructures: AWS Data Lab, SAP Data Intelligence, and Simcloud.
- Generative AI: OpenAI ChatGPT, Google Bard, Perplexity AI, Consensus AI, Bing AI, and Notion AI.
- Productivity: Google Workspace, Microsoft 365, Apple iWork, Atlassian, Quip, GitHub, and Wrike.
- Creativity: Canva, Adobe Express, Adobe Firefly, Microsoft Designer, Midjourney, and Miro.
- Foresight: Microsoft Fabric, Google Marketing Platform, Framer, Figma, and Adobe Creative Cloud.

## Experience

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Tata Consultancy Services, Bangalore (March 2022 - Present)

Senior Engineer ITA - Data Scientist

Apple Inc. - SAP Global Systems: Data Science and SAP Data Intelligence.

- Directed the MLOps Sustenance Team, achieving a 45% increase in operational efficiency and a 25% reduction in incident resolution time through strategic process optimization.
- Revamped project management processes by implementing Wrike and Jira, the project management applications improved team collaboration and project delivery timelines by 25%.
- Provided clients with actionable insights by delivering comprehensive reports, recommendations, and implementation guides, contributing to a 30% increase in client satisfaction.
- Resolved SAP DI Launchpad issues by collaborating with the Business Technology Platform (BTP) Team, ensuring seamless integration and enhancing overall platform stability.
- Associated with the BASIS (Business Application Software Integration Platform) Team, ensuring smooth operations and migrations of data in the SAP Data Intelligence Data Lake and HANA Sidecar, resulting in zero data integrity issues.
- Successfully implemented Service Requests (SRs) and Change Requests (CRs) for promoting pipelines across environments, enhancing development agility and reducing deployment errors by 25%.
- Improved code quality and deployment efficiency by integrating SAP Data Intelligence Terminal with GitHub Enterprise for CI/CD. Conducted effective code reviews, reducing integration issues by 20%.
- Developed end-to-end project cutover plans for all environments, ensuring smooth transitions and minimizing downtime during project implementations.
- Managed incidents by raising HCL tickets and RITMs, minimizing downtime and ensuring continuous system availability.
- Enhanced codebase security with Gatehouse Check Engine and SonarQube for code and host scanning, reducing vulnerabilities by 30%.
- Coordinated with the Quality Assurance Team for PT (Performance Testing), RT (Regression Testing), and UAT (User Acceptance Testing) approvals and signoffs.
- Established, set up, and configured APIs in collaboration with the APIM Team, ensuring seamless integration and addressing issues promptly.
- Teamed up with DevSecOps for Jenkins automation, triggering pipeline builds and promoting solutions efficiently. Automation reduced the deployment time by 80%.
- Collaborated with the Business Technology Platform Team to monitor and validate the SAP Data Intelligence platform post-maintenance, ensuring optimal performance and minimal disruptions.

## Apple Inc. - BPR Decision Support: 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 20%.
- Utilized Apple's in-house annotation and labelling tool to extract label clips, enhancing the efficiency of product labels by 30%, and reducing manual errors by 25%.
- 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 20%.
- 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 20% increase in overall accuracy, reducing false positives and negatives.

## Digital Productivity Specialist

- Applied knowledge in Google Workspace, Microsoft 365, and Apple iWork to significantly enhance workflows for individuals and organizations, The applications improved the overall efficiency and collaboration by 20%.
- 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.
- Actively participated in industry conferences, including Google I/O, Microsoft Build, Apple WWDC, Samsung SDC, and Adobe Summit. Gained insights to drive the adoption of emerging technologies, resulting in a 15% improvement in technology alignment with industry trends.
- 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. This involvement contributed to a 15% improvement in the overall quality of emerging technologies.
- Established a comprehensive portfolio demonstrating proficiency in productivity tools, facilitating effective communication of skills. This initiative increased the professional visibility and opportunities by 20%.

## Foraysoft, Hyderabad (May 2021 - March 2022)

### Data Scientist

- 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, Data Analytics, 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 through data-driven insights.

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

### 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.

## Education

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Postgraduate, Mumbai (2020)

Data Science and Artificial Intelligence

Bachelor Of Engineering, Mumbai (2017)

Computer Engineering, University of Mumbai