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 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, and Snowflake.
- Cloud Infrastructures: AWS Data Lab, AWS Workspace, Microsoft 365 Cloud PC, and SAP Data Intelligence.
- Generative AI: OpenAI ChatGPT, Google Gemini, Perplexity AI, Microsoft Copilot, 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

LTIMindtree, Bangalore (February 2024 - Present)
Data Science Specialist

Fosfor Decision Cloud (A 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 GSP: 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 25%.
- Associated with the BASIS (Business Application Software Integration Platform) 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 Data Intelligence with GitHub Enterprise for creating CI/CD workflows. Conducted productive code reviews, reducing integration issues by 20%.
- Enhanced codebase security with Gatehouse Check Engine and SonarQube for code and host scanning, reducing vulnerabilities by 30%.
- Teamed up with the DevSecOps (Development, Security, and Operations) 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 20%.
- 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.
- 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 20%.

Foraysoft, Hyderabad (May 2021 - February 2022)
Data Scientist

HPE – Hewlett Packard Enterprise: 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.
- Actively participate in Google I/O, Microsoft Build, Apple WWC, Samsung SDC, CES, Adobe Summit to stay current.

Education

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