

# K. Kashinath

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## Professional Summary

Data Analyst proficient in Python, SQL, Excel, and Power BI, developed predictive models with up to 99.16% accuracy and actionable dashboards. Skilled in transforming raw data into meaningful insights for optimized operations and revenue. Seeking an entry-level role to drive data-informed decision-making.

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## Technical Skills

**Programming** : Python, SQL, MySQL, PostgreSQL

**Libraries** : Pandas, NumPy, Matplotlib, Seaborn

**Visualization** : Power BI, Excel

**Tools** : Jupyter Notebook, Google Colab, Git

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## Key Projects

### Loan Default Prediction

*Python, Pandas / 2024*

- Addressed inefficiencies in credit risk management by automating the detection of loan defaulters using credit card transaction data, tackling class imbalance and manual fraud detection issues.
- Implemented Naive Bayes (NBC) and K-Nearest Neighbors (KNN) classifiers with Scikit-learn, incorporating data preprocessing, model training, and evaluation with visualizations like confusion matrices.
- Achieved a KNN accuracy of 99.16% (Precision: 90.02%, Recall: 70.71%) and NBC accuracy of 98.93%, enabling financial institutions to enhance fraud detection and decision-making.

### Fish Growth Prediction with CNN

*Python, TensorFlow / 2024*

- Addressed scalability and automation challenges in aquaculture by predicting fish growth from larvae statistics, reducing reliance on labor-intensive manual measurements.
- Developed a 1D Convolutional Neural Network (CNN) and Support Vector Regressor (SVR) with a Tkinter GUI, enabling efficient data preprocessing, model training, and prediction for non-technical users.
- Achieved an  $R^2$  score of 0.99 with the CNN model (MSE: 0.0000, MAE: 0.0018), outperforming SVR, and provided actionable insights for sustainable aquaculture practices.

### Walmart Sales Analysis

*Excel, MySQL, Power BI / 2025*

- Identified the need for actionable insights into Walmart's sales performance, addressing inefficiencies in data processing and visualization for regional sales, order statuses, and customer behavior.
- Utilized Power Query in Excel for data cleaning, SQL for efficient data extraction and calculations and Power BI with DAX to develop an interactive dashboard showcasing sales trends, payment methods, and regional cancellation rates.
- Achieved a comprehensive analytics solution that revealed electronics as 32% of revenue and 12% higher customer ratings for credit card users, enabling data-driven decision-making and improving operational efficiency

### Coffee Shop Sales Analysis

*Excel, MySQL, Power BI / 2025*

- Identified unclear sales performance and product preferences across different store locations, payment methods, and time periods, addressing challenges in optimizing operations and marketing strategies.
- Developed an interactive data visualization dashboard using provided sales data, showcasing key insights such as total price and quantity by category, product name, time, month, and store location, with analytical graphs and pie charts to identify trends in sales and customer behavior.

- Enabled data-driven decision-making by highlighting top-performing products (e.g., Americano, Mocha), preferred payment methods (Mobile, Cash, Card), and peak sales periods, facilitating targeted marketing and improved inventory planning across all store locations.

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## Education

### B.Tech, Computer Science

2021-2025

St. Martin's Engineering College, Secunderabad-500100

CGPA: 8.0/10.0

### Intermediate (MPC)

2019-2021

Sri Chaitanya Junior College, SR Nagar

Percentage: 93.4%

### SSC

2019

St. Alphonsus High School, Banjara Hills

CGPA: 8.0/10.0

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## Certifications

### Google Data Analytics, Coursera, 2025

- Mastered data cleaning, visualization, and analysis using Python, SQL, and Google Sheets.
- Completed hands-on projects to derive actionable business insights from real-world datasets.
- Enhanced stakeholder communication skills for effective data-driven decision-making.

### SQL (Basic & Intermediate), HackerRank, 2025

- Gained proficiency in complex SQL queries, joins, and subqueries for MySQL and PostgreSQL.
- Optimized data retrieval for analytics and reporting through practical database challenges.
- Strengthened ability to manage and analyze large datasets efficiently.

### Python, Udemy, 2025

- Developed expertise in Pandas, NumPy, Matplotlib, and Seaborn for data analysis and visualization.
- Built predictive models and dashboards in Python for real-world analytics applications.
- Learned scripting and automation to streamline data preprocessing tasks.

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## Additional Information

- Leadership: Led team of 3 in mini and major projects.
- Languages: English (Fluent), Telugu (Native), Hindi (Proficient), Kannada (Proficient).