K PRIYADARSHINI

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SUMMARY

Data Analyst & Full Stack Developer with expertise in Python, SQL, JavaScript, React, Flask/FastAPI, MongoDB, Tableau, Power BI, and mobile/web application development. Skilled in building scalable applications, performing data analysis, integrating AI/ML solutions, and delivering actionable business insights.

EDUCATION

B.E, CSE-Data Science   Graduating September 2027
Moodlakatte institute of technology,
Kundapura, Udupi

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, Dart
Frameworks/Library: NumPy, Pandas, Matplotlib, TensorFlow (AI/ML), FastAPI, React.js
Tools & Technologies: MongoDB, Firebase, Docker, Git, Agile, Node.js

PROFESSIONAL EXPERIENCE

IBM Z Datathon 2025 | Carbon Footprint Reduction Dashboard   October 2025- November 2025
- Built a full-stack carbon analytics dashboard using React.js and Python to visualize emission trends and patterns for sustainability decisions.
- Transformed raw carbon-emission data into **interactive insights using Chart.js**, enabling clear comparison and trend analysis.
- Implemented **MongoDB with REST APIs** for scalable, real-time data access and efficient data management.

Hackotsava 2025 | Karmic Solutions - Canteen Management System
- **Developed a secure meal management system** with user authentication, daily menus, and automated meal confirmation.
- Built an admin dashboard for menu planning, reporting, and analytics, reducing food wastage and operational costs.

PROJECTS

Unique Recipes – Food Discovery Mobile Application   October 2025
AI-driven Healthy Recipes Web Application
- Built an AI-powered recipe recommendation system delivering healthy, natural-ingredient recipes with calorie and nutritional insights.
- Developed a **FastAPI backend** and integrated **Firebase** for authentication, real-time database, and cloud data management.
- Designed **personalization logic** to recommend recipes based on user preferences and health-focused criteria.

OCR Food Safety Scanner App (Flutter, Google ML Kit, Firebase)   December 2025
- Developed a **Flutter mobile application** that scans packaged food labels using **OCR** to extract nutritional and safety information.
- Implemented **Google ML Kit** to accurately recognize text such as ingredients, expiry dates, and nutritional values.
- Integrated **Firebase backend** for real-time data processing, validation, and scalable cloud support.

Food Price Inflation Analysis | Python, Pandas, Matplotlib   January 2026
- Cleaned and transformed messy retail pricing data using Python to ensure accurate analysis
- Identified **inflation-heavy brands** through statistical aggregation and data visualization to uncover pricing trends.
- Delivered an **end-to-end analytics project** with reproducible Jupyter notebooks, clear documentation, and actionable business insights.

CERTIFICATIONS/ACHIEVEMENTS

- **Achieved HackerRank certification for SQL (Basic to Advance).**
- **Achieved TATA forage certificate for GenAI powered data analytics job**
- **Participated in IBM Z Datathon (2025) and received a certificate for successfully completing the challenge.**