

# Kirubadevi G

Data Analyst | Software Developer

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## PROJECTS

### Customer churn prediction

- **Objective:** Predicted at-risk customers to improve retention strategies.
- **Data Processing:** Collected, cleaned, and analyzed customer data to identify churn patterns.
- **Modeling:** Built and optimized **Logistic Regression, Decision Trees, and Random Forest** using **Scikit-learn**.
- **EDA & Visualization:** Used **Pandas, Matplotlib, and Seaborn** to explore and present insights.
- **Optimization:** Applied **feature engineering, hyperparameter tuning, and cross-validation** to enhance accuracy.
- **Outcome:** Delivered actionable insights to boost customer retention.

### HR Analytics to track employee performance

- **Data Processing** – Collect, clean, and preprocess employee data (work hours, projects, feedback, attendance).
- **EDA & Trends** – Analyze productivity patterns using **Pandas, Matplotlib, Seaborn**.
- **ML Prediction** – Build and optimize **Decision Trees, Random Forest, Regression** models.
- **Insights & Actions** – Visualize results and recommend HR strategies for performance improvement.

## PROFESSIONAL EXPERIENCE

### Data Analyst intern

Cyfotok Infosec

11/2024 – present | Coimbatore, India

*Data cleaning, SQL querying, data visualization, problem-solving, and communication of data-driven insights.*

## EDUCATION

### B.Sc.Computer science

Sri Krishna Adithya college of arts and science

2021 – 2024 | Coimbatore, India

CGPA - 9.2

## PROFILE

Motivated and detail-oriented individual with skills in data analysis and software development. Familiar with Python, data manipulation, visualization, and basic machine learning concepts. Interested in problem-solving, learning new technologies, and using data to support better decisions.

## SKILLS

### Technical Skills

Programming languages: Python, SQL

Data Analysis and Visualizations:

Data Modeling, Data Quality, Data Prediction, Data Visualization, Exploratory Data Analysis(EDA), Dashboards, Analysis Tools

### Tools

Data Visualization Tools: Microsoft powerBi, Tableau, Excel,

Development and programming Tools: VsCode, MySQL, PyCharm, GitHub

## CERTIFICATES

### ICT Academy

- Learned **Microsoft Power BI** for data visualization and reporting.

### SCALER

- **Python Essentials for Beginners** – Completed a foundational Python course on programming concepts, data structures, and problem-solving.

### SIMPLILEARN

- Covered **Python fundamentals, data handling, and basic problem-solving techniques.**