

# RISHIKUMAR D

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## CAREER OBJECTIVE

I'm a responsible and organized individual who thrives both in a team and independently. Having gained practical exposure through my internship, I'm eager to grow, contribute, and further develop my skills in a professional environment.

## TECHNICAL SKILLS

- Languages: Python, SQL, HTML, PowerBI
- Skills: Machine Learning, Data Visualization Techniques, Data Analysis

## EXPERIENCE

### Tringapps.Inc, Intern

23/01/2023 - 23/03/2023

- Gained practical insights into Java, PostgreSQL and Data Structures.

### Infosys Springboard, Intern

06/02/2025 - 19/03/2025

- Focused on Artificial Intelligence and Machine Learning, gaining hands-on experience in ML Model Building, Large Language Models (LLM), Vector Databases, Pinecone, and Retrieval Augmented Generation (RAG).
- Worked on the project "**AI-Powered Guest Experience Personalization System for Hospitality.**"

## PROJECTS

### File Encryption/Decryption Tool | Python, Tkinter

10/10/2024 – 13/10/2024

- Built a GUI application to encrypt and decrypt text, PDF, and Word files
- Integrated file upload feature with support for .txt, .pdf, and .docx formats
- Integrated file selection, key generation, and overwrite protection using Tkinter
- Modularized logic across components for encryption, file handling, and GUI control

### AI-Powered Guest Experience Optimization for Hospitality (Infosys Springboard)

06/02/2025 – 25/03/2025

- Developed a **Streamlit-based** hotel booking interface generating coupons with offers for top 3 dishes using an **XGBoost model** based on customer preferences.
- Used **LLM** to summarize customer reviews, extract sentiment (positive, negative, neutral), display sentiment percentages in a pie chart, and identify key strengths and issues from feedback in the hospitality domain.
- Developed a Hotel, Dining & Reviews **Dashboard providing real-time insights, sentiment analysis, and interactive visualizations of bookings, dining preferences, and customer reviews.**
- Leveraged vector databases (Pinecone) and LLMs for efficient review analysis and sentiment extraction, enhancing the customer feedback analysis process.

### Handwritten Math Symbol Classifier

28/03/2025 – 05/03/2025

- Built a **Streamlit-based handwritten math symbol classifier** using a **PyTorch CNN model**, enabling users to upload images for real-time **LaTeX symbol prediction with grayscale preprocessing** and dynamic UI feedback.

## CERTIFICATIONS

- Data Analytics - Mining and Analysis of **Big Data**
- Digital Skills: Artificial Intelligence – (ACCENTURE) FUTURELEARN
- Data analytics and visualization Job Simulation – (ACCENTURE) FORAGE
- Principles of Generative AI- INFOSYS SPRINGBOARD
- Python for Data science– IBM
- Introduction to Data Science – CISCO
- Principles of Generative AI- INFOSYS SPRINGBOARD

## EDUCATION

### Amrita Viswaha vidyapeetham, Coimbatore

Graduation 2026

### M.Sc Data Science in Logistics and Supply Chain Management

- Relevant Course: Machine Learning, Data Mining, Logistics, Supply Chain, Data Science
- CGPA: 8.96\*

### Thiagarajar College, Madurai

Graduation 2024

### B.Sc Computer Science with Cognitive System

- Relevant Course: Java, Selenium, Data Structure, Cloud Computing
- CGPA: 8.86

### Sivakasi Nadar, Madurai

- HSC:82%
- SSLC:74.6%