

SATHEESH KUMAR K

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PROFESSIONAL SUMMARY

Information Technology professional with expertise in Python, SQL, and AI. Experience in developing RAG-based chatbots and implementing data analytics solutions. Strong background in prompt engineering and cloud services. Seeking to leverage technical skills in a challenging role that drives business value through technology.

EDUCATION

Degree	Institution	Year	Score
B.Tech	Hindusthan Institute of Technology, Coimbatore (Information Technology)	2020 - 2024	90%
HSC (Class XII)	Sri Vijay Vidyalaya, Hosur (Computer Science)	2018 - 2020	69.8%
SSLC (Class X)	Asian Christian High School, Hosur	2016 - 2018	69.8%

PROFESSIONAL EXPERIENCE

AI-ML Trainee Engineer

Avasoft, Chennai

November 2024 - February 2025

- Engineered a RAG-based chatbot utilizing FastAPI (backend) and Streamlit (frontend), enhancing information retrieval efficiency
- Implemented advanced prompt engineering techniques to optimize system and user prompts for superior chatbot responses
- Integrated AWS S3 for secure data storage and developed comprehensive cloud service implementation strategies
- Strengthened technical proficiency in Python, SQL, and AI implementations while gaining experience in full project lifecycle management

Analytics & Insights Intern

Titan Company Ltd., Bangalore

January 2024 - August 2024

- Automated jewelry price estimation by successfully integrating real-time Gold Price APIs, resulting in improved operational efficiency
- Developed innovative AI-based jewelry design prototypes using MidJourney, contributing to new product development
- Leveraged SQL expertise to extract valuable business insights from large datasets in the eyewear domain
- Utilized AWS SageMaker for large-scale data processing, implementing feature extraction methodologies for AI applications

KEY PROJECTS

Portfolio-Based Chatbot

January 2025

- Developed an advanced chatbot utilizing Retrieval-Augmented Generation (RAG) to provide contextually relevant responses based on portfolio data
- Implemented Google Gemini API for sophisticated natural language processing and ChromaDB for efficient vector storage
- Created a responsive user interface with Streamlit and robust backend architecture using FastAPI

TECHNICAL PROFICIENCY

Programming	Python
AI	Retrieval-Augmented Generation (RAG), Prompt Engineering
Data Analytics	Data Visualization, Feature Engineering, Power BI
Cloud & Development	AWS (S3, SageMaker), FastAPI, Streamlit, OpenAI API, Git, Jupyter Notebook, VS Code
Databases	PostgreSQL, ChromaDB

CERTIFICATIONS

- IBM Data Analyst Professional Certification — IBM January 2024
- Business Analytics Certification — Wharton School, University of Pennsylvania February 2024
- SQL Basics — HackerRank August 2024
- Machine Learning Specialization — DeepLearning.AI In Progress