

KARTHICK T

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Education

SRM Institute of Science and Technology

July 2019 – Jun 2023

Bachelor of Technology in Electronics and Communication ; CGPA:9.10

Chennai, Tamil Nadu

Skills

- **Technical:** SQL, AWS, Business Intelligence, Python , Machine Learning, NLP , Gen AI and RAG
- **Tools:** MicroStrategy, Power BI, Snowflake, Aws Bedrock , Crew AI, Llama Index and Jupyter Notebook

Experience

Sciera

Jan 2024 – Present

Data Scientist / Software Engineer

Chennai , Tamil Nadu

- * Collaborated directly with stakeholders at USCC to engineer a cutting-edge generative AI model capable of handling complex inquiries, resulting in enhanced response accuracy while saving approximately five days each month on reviews.
- * Executed over 10 virtual machines on Amazon Web Services to optimize data processing workflows, resulting in a significant reduction of task completion time by approximately five hours per week for the entire team.
- * Effectively used Snowflake to aggregate OLTP data and streamline ETL tasks.

Infocepts

Feb 2023 – Sep 2023

Assistant Associate - Internship

Nagpur, Maharashtra

- * Developed and deployed a dashboard for a client at Nielsen IQ, enhancing their data visualization and analytics capabilities.
- * Quickly adapted to Snowflake for maintaining our data warehouse, streamlining operations and ensuring data integrity.
- * Efficiently leveraged Snowflake to maintain our data warehouse and ensure accurate data validation processes.

High Radius

Jan 2022 – April 2022

Product and Engineering Internship

Remote

- * Obtained foundational understanding of machine learning techniques.
- * Collaborated with internal team to build a payment date prediction model for users.

Projects

1.Adventure Works Sales Analysis Dashboard | Power BI

August 2023

- * Created an interactive sales dashboard for Adventure Works, featuring sections for sales overview, sub-category analysis, and product insights. Through effective data visualization, I enhanced clarity and empowered stakeholders for informed decision-making.

2.Gen AI Powered Chatbot | RAG

June 2023

- * Divided a large document into smaller chunks, embedded them, and stored them in a vector database to create an AI chatbot that utilizes external sources (RAG).

3.Energy Consumption and Demand Prediction | Machine Learning

November 2022

- * Collected, cleaned, and pre-processed energy consumption data and conducted exploratory data analysis for modeling decisions.
- * Employed advanced machine learning techniques to create accurate energy demand models and forecasted energy consumption proactively.

Certifications

AWS Certified Cloud Practitioner

AWS

February ,2024

AWS Certified AI Practitioner

AWS

March, 2024

Microsoft Certified Power BI Data Analyst Associate (PL-300)

Microsoft

August, 2023

SQL Intermediate

HackerRank

March, 2023