Darshan V V

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Profile

Looking for a challenging career in the field of software to prove my abilities through the skills I have accumulated. I look forward to being associated with an organization that provides opportunities to grow, learn, and lead in a progressive environment.

Studious and innovative individual seeking a challenging role in data-driven domains to apply and enhance skills in Data Engineering, Data Science, and Data Analysis.

Education

Manipal School of Information Sciences, MAHE — Manipal, India
Master of Engineering in Big Data Analytics (CGPA: 9.08) — *July 2025 – Present*

R N Shetty Institute of Technology — Bengaluru, India
Bachelor of Engineering in Artificial Intelligence and Machine Learning (CGPA: 8.99) — *Dec 2021 – May 2025*

Skills Summary

Languages: Python, R, C, SQL

Data Analysis and Manipulation Tools: MySQL, NumPy, Pandas, PySpark, Scrapy, BeautifulSoup, Power BI

Data Engineering Tools: Hadoop, Spark, Sqoop, Hive

Machine Learning / Deep Learning Tools: LangChain, Hugging Face, Pinecone, FAISS, Vector Stores, Transformers, TensorFlow, PyTorch, Scikit-learn

Coursework: Architecture of Big Data, Machine Learning, Data Structures and Algorithms, Object-Oriented Programming, Operating Systems

Experience

Nineleaps Technology — Bangalore, India
Data Analyst Intern — *June 2024 – Aug 2024*

- Analyzed large-scale datasets using Python (Pandas, NumPy) and MySQL designed and optimized PySpark-based data pipelines and fine-tuned SQL queries for high-volume structured data.
- Built interactive dashboards and reports using Looker Studio and Google Sheets automated reporting workflows with Google Apps Script, reducing manual effort.
- Validated LLM-generated SQL queries for correctness and efficiency; collaborated with cross-functional teams to translate business requirements into scalable data solutions.

Projects

MSIS Student Chatbot
RAG-Based Chatbot

- Designed and developed a Retrieval-Augmented Generation (RAG) chatbot with end-to-end document ingestion, OCR extraction, text preprocessing, chunking, and embedding generation.
- Built a semantic retrieval pipeline using Sentence Transformers, Pinecone, and Cross-Encoders with hallucination-aware LLM answer generation.
- Developed an interactive Streamlit UI with integrated RAG evaluation workflows using modular Python architecture.

Cricket Stats Analysis
Python-Based Web Application

- Built a full-stack web application using HTML, CSS, JavaScript, Flask, and MySQL to collect and compare cricket player statistics.
- Designed a Python-based analytical engine generating team permutations using role-based weighted scoring logic.
- Implemented a data-driven team prediction model to evaluate and compare team strength objectively.

Certifications and Technical Achievements

Joy of Computing Using Python — NPTEL (Dec 2023)

Snowflake Badges — Data Warehouse, Data Applications, Data Engineering (Sept 2025)

Generative AI with Large Language Models — Coursera (Nov 2025)