

Sridharan C

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EDUCATION

M.Tech (Integrated) with Specialization in Data Science | Vellore Institute of Technology | Vellore | 2024 | CGPA: 7.60

12th | Sowdambikaa boys higher secondary school | Thuraiyur | 2020 | Percentage: 75%

10th | Sishya matric higher secondary school | Thiruvannamalai | 2018 | Percentage: 83%

EXPERIENCE

Data Scientist Intern

JP infotech

November 2023 - January 2024, pondicherry

- Build a resume enhancement tool using Google Gemini Pro API, enhancing the analysis of resumes against job descriptions.
- Generated targeted optimization suggestions, significantly improving Applicant Tracking System (ATS) compatibility for increased visibility.
- Successfully increased the effectiveness of job applications by strategically implementing enhancements through the utilization of Google Gemini Pro API.

Data Scientist Intern

Cloud Halo

August 2023 - October 2023, chennai

- Leveraged KMeans for support and resistance level identification, enhancing stock price dynamics understanding through data analysis.
- Engineered Volume Weighted Average Price (VWAP) and Moving Average (MA) indicators for precise stock price forecasting, incorporating Exponential Moving Average (EMA) in trend analysis. Conducted in-depth data analysis for predictive modeling based on historical data.
- Developed additional features utilizing key indicators and applied Machine Learning algorithms for comprehensive data analysis, contributing to enhanced insights into stock market trends.

PROJECTS

Scalable Multi-PDF Document Processing with Large Language Models and Re-Ranking: Leveraging Retrieval-Augmented Generation for Enhanced Query Responses and Document Comparison

- **Developed a document Q&A system** using Langchain, Groq, and Google Generative AI, enabling users to upload and query PDF documents with hybrid retrieval (semantic and keyword-based).
- **Integrated FAISS** for vector embeddings and performed document ranking based on keyword and semantic similarity.
- **Created a dynamic interface** with Streamlit, providing real-time query processing and document ranking for enhanced information retrieval

Chat with PDF with any language

VIT Vellore

- Developed a multilingual chatbot using LangChain for natural language processing, Streamlit for frontend design, and OpenAI API for PDF-based question answering.
- Implemented language-agnostic chat functionality, allowing users to pose questions in any language, with the chatbot responding accordingly.
- Designed and seamlessly integrated the project to deliver an interactive and user-friendly experience for extracting information from PDF files.

Online shopper intension

SmartInternz

- Pioneered research to forecast online customer behavior using Logistic Regression, Random Forest, and K-Means clustering.
- Led data training and evaluation, determining optimal predictive models for insights into customer preferences.
- Enhanced strategic decision-making by delivering actionable forecasts, elevating the organization's online retail strategies.

COURSEWORK

Recommender Systems for Personalized Business Marketing: Employing Artificial Intelligence and Business Intelligence in Machine Learning Techniques

- Published findings in a research paper with DOI: https://doi.org/10.1007/978-981-99-7216-6_27

CERTIFICATIONS

Microsoft azure fundamental of AI

Microsoft

Externship in applied data science

SmartInternz

Emotional Intelligence

NPTEL