P Yadukrishnan

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EDUCATION

Amrita Vishwa Vidyapeetham Coimbatore, India
Master of Technology – Data Science **July 2024 - Present**
NSS College of Engineering Palakkad, India
Bachelor of Technology – Mechanical Engineering **June 2019 - August 2023**

SKILLS SUMMARY

- Languages: Python, SQL
- Frameworks: Pandas, Numpy, Scikit-Learn, Matplotlib, Seaborn, Tensorflow
- Tools: Power BI, Excel, PowerPoint, MySQL
- Platforms: PyCharm, Jupyter Notebook, Visual Studio Code, Google Colab
- Soft Skills: Rapport Building, Strong Stakeholder management, People Management, Excellent communication

WORK EXPERIENCE

LUMINAR TECHNOLAB - DATA SCIENCE INTERN **SEP 23 - MAR 24**

- Experienced in data manipulation, visualization, and deep learning, utilizing advanced tools to derive insights and support data-driven decision-making
- Adept in database management, data analysis, and developing dynamic visualizations to drive informed business decisions.
- Expertise in Natural Language Processing, computer vision, and deep learning technologies for developing innovative AI solutions.

GREEN AIR TRADING ENTERPRISES INDIA PVT LTD - SALES AND APPLICATION ENGINEER **JUL 23 - JUL 24**

- Led product and R&D support, ensuring smooth coordination across supply chain processes, including assembly, and testing, to meet client needs and business objectives.
- Built strong client relationships, delivering tailored solutions to improve efficiency. Contributed to proposals, presentations, and documentation to drive business growth.

PROJECTS

Agentic RAG using CrewAI

- This project leverages CrewAI to build an Agentic RAG that can search through your docs and fallbacks to web search in case it doesn't find the answer in the docs, powered by a locally running Llama 3.2

Forecasting Stock Price Movements: An Analysis of Predictive Models

- The evaluation of various machine learning models revealed that XGBoost achieved the highest accuracy of 83%, surpassing other models such as KNN, SVC, and Decision Trees. However, Artificial Neural Networks (ANN) significantly outperformed all, achieving 90% accuracy. Furthermore, when incorporating models that can capture historical data trends, such as RNN, LSTM, and Transformer-based architectures, the results demonstrated improved predictions, showcasing the robustness and reliability of these models in forecasting stock price movements.

CERTIFICATES

- Hugging Face - Foundation of Agents
- Kaggle - Introduction to Deep Learning
- Udacity - Introduction to TensorFlow for Deep Learning
- Google Cloud - Introduction to Generative AI
- Udemy - Data Standardization Frameworks
- Kaggle - Introduction to Machine Learning