

ANKITH SURESH

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PROFILE

Data Scientist skilled in predictive modelling, natural language processing, and generative AI, with a track record of enhancing fintech and healthcare operations through AI automation. Strong communicator with an ability for simplifying technical concepts and analytical results for diverse audiences. Looking for opportunities that will help sharpen these skills while contributing to projects that drive impact through digital transformation.

AREAS OF EXPERTISE

Domains: Gen AI, NLP, Machine Learning, Deep Learning, ML-Ops, Credit Risk Modelling, Data Visualization
Technical Skills: Python, SQL, R studio, AWS, MS Office, TensorFlow, Git, Pandas, NumPy, Tableau, PySpark, OpenAI, HuggingFace, LangChain, Llama-Index, Elasticsearch, MongoDB

WORK EXPERIENCE

FischerJordan LLC

Mumbai, India

Senior Data Scientist

July 2022- Present

- Developed an **AI-driven chatbot application** for a US data provider, using LLMs to convert natural language inputs into structured queries, delivering real-time, personalized insights from over **100 million records**. Implemented **semantic caching and observability modules**, optimizing LLM calls to **reduce costs and cut response time down to 10 seconds**.
- Engineered a custom behavioral pattern diagnostic tool for a healthcare client, employing advanced ML models (**XGBoost, RandomForest, Neural Networks**) and complex automation to streamline the data collection process, significantly **reducing manual efforts by over 90%**, and providing accurate diagnoses.
- Built an LLM-based information retrieval engine for a fintech firm, using **Retrieval Augmented Generation (RAG)** to efficiently index and retrieve tax credit policy documents. **Reduced query response time by 95%**, enhancing customer service by delivering **answers in under 30s**.
- Conducted credit risk analysis for an alternate lender using **vintage curves and roll rate models** for accurate loss forecasting, enhancing decision-making with real time reporting and portfolio review decks. Collaborated with Underwriting to improve risk assessment and created a data-driven pricing tool to balance returns with competitive standards.
- Spearheaded internal process optimization initiatives** by developing dedicated automation tools for expense submission, employee review, and web scraper bots to enhance data collection efficiency and secondary research within the firm, **cutting manual operations by 50%**

FischerJordan LLC

Remote

Data Analyst Intern

May 2021- Dec 2021

- Built a statistical model using **R programming** to analyze stock price data of companies involved in Mergers and Acquisitions. Leveraged Explainable AI tools to interpret model outputs.
- Developed **Probability of Default models** to optimize credit risk evaluation for an alternate lender client.

PAPERS AND PUBLICATIONS

- M. F. Hashmi, T. B. Bellare, **A. Suresh** and B. T. Naik, "Football Event Classification Using Convolutional Autoencoder and Multilayer Extreme Learning Machine," in *IEEE Sensors Letters*, vol. 6, Oct. 2022.
- S. Nandy and **A. Suresh** "Reading between the lines: A hybrid RNN architecture to detect prejudice in movies." Accepted, 7th International Conference on Computer and Communication Systems (ICCCS 2022).
- A. Suresh** and A. Sahu "The Metaverse and the Technologies that Power it". Published in QRIUS, May 2023.

EDUCATION

National Institute of Technology, Warangal

2018-2022

Bachelor of Technology, Electronics and Communication | **CGPA: 8.2/10**

Activities: Lead Organizer at TEDxNITW, Additional Secretary at English Literary and Debating Club, Member of Big Data and Analytics Club.