

Sarath Babu

Data Scientist

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8148956716

Chennai, India

7.5+ years of experience with Data Science and 1.5 years of experience with Artificial Intelligence (AI) in building data-driven solutions for a variety of requirements in diverse domains. Proficiency in creating, developing, and deploying highly adaptive machine learning, deep learning and generative AI models and pipelines for various business solutions. Looking forward to opportunities to build my career and apply my skills in innovative ways.

WORK EXPERIENCE

Senior Analyst Latentview Analytics

05/2021 - Present

Generative AI & Machine Learning

- Gen AI GPT chatbot for Data analysis & Visualization using RAG & few shot prompts for an American computer hardware manufacturer
- SLM based device chatbot for all desktop & laptops
- LLM chatbot for Failure Analysis & remedy
- Churn analysis of users for search engine using ML for an American technology conglomerate
- Data Pipeline development and deployment for an American Database company
- Time series analysis and forecasting of tablet devices for an American technology company
- Incident Analysis with ML & feature identification

Senior Data Analyst Tiger Analytics

09/2019 - 02/2021

Machine Learning, Data Science & Engineering

- Data Pipeline development and deployment with ADF for an American pet care
- Product Affinity Model development for an American food corporation
- Accident Visualization and storyboard with Tableau for an American state transportation
- Churn possibility prediction of high premium customers for an American Insurance Company

Data Scientist TATA Consultancy Services

03/2017 - 09/2019

Machine Learning and Deep Learning

- Response classification using Topic modelling & RNN for an American Multinational Bank
- Oil Rig Pipeline corrosion detection using computer vision for an American engineering company
- NOx and CO prediction using ML & DL for a Japanese thermal power plant
- Analysis of coal feed using clustering
- Data visualization for a UK based retailer

SKILLS

Python R Pyspark SQL Statistics

Machine Learning Deep Learning Gen AI

Image Analytics Text Analytics Regression

Classification Clustering Time Series ANN

Tensorflow Keras Pytorch CNN

OpenCV Object Detection YOLO

Vision Transformers Computer Vision

NLP RNN BERT LLM GPT Gemini

Llama Retrieval Augmented Generation(RAG)

Langchain FAISS Hugging Face

Azure Databricks Azure Data Factory

AzureML AWS S3 AWS Sagemaker

AWS Athena Snowflake Airflow Git

Flask Streamlit Flutter Tableau

PowerBI Looker

ACHIEVEMENTS

AI competitions & development

- Published LLM based paper in TechRxiv (IEEE Preprint): [BIRD: Business Insight and Recommendation Developer](#)
- Featured in Worldwide Google AI competition: [BIRD: Business Insight and Recommendation Developer](#)
- Runner up in All India Google AI Exchange competition: [ARI: Audit Report Interpreter AI](#)
- Featured in Worldwide Databricks AI competition: [Nalanda Educational AI](#)
- Fine-tuned SLM on HuggingFace: [GK_10000](#)
- Cleared level 3 of Google FooBar challenge (Google Employment Eligibility)
- Ranked 42 in Machine Hack World Rankings: [MachineHackLeaderboard](#)
- Developed and published 4 PyPi packages: [multicorr](#), [metrictable](#), [largeproductaffinity](#), [cipherLV](#)