Mahadev
Data analyst

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Having 4+ Years of Industry experience, 2 years of experience in healthcare manufacturing and 2.7 years of experience as a Data analyst. Looking for carrier transition to Data scientist or Machine learning role with strong foundation in statistical analysis, machine learning, Deep learning, Generative AI with programming languages such as Python & SQL.

Experience:

Jan'23 - Present

Datamites(Coaching institute) - Data Science intern
• Hands on experience in LLM prompt engineering, full fine tuning with PEFT techniques, reward and PPO model training & evaluation.
• Hands on experience in deep learning frameworks such as PyTorch, HuggingFace and LangChain.
• Having in depth knowledge in statistical machine learning and deep learning models like KNN, Naive Bayes, Logistic and linear regression, SVM, Decision tress, Ensemble techniques, ANN, CNN, RNN, GAN, transformers & etc.

Jan'21 - Present

LifeSignals India Pvt Ltd – Data analyst(Clinical department)
• Conduct research studies, collect data related to clinical trail.
• Participates in requirements gathering sessions with clinical team, accordingly designing cases and implementing in clinical data analytical framework, which is responsible for analyzing and visualization data.
• Clinical data analytical framework collects required data from patient data, preprocess, analyze and finds interesting facts and generates reports which includes patient data statistics and visualization graphs. These reports serves as technical resource to physician and helps in taking necessary actions.
• Created and developed functional test cases for a analytical framework using python Unit test library.
• Collect and compile data from various sources which includes csv, json, edf/bdf, txt.

Jul'18 - Jul-20

GE Healthcare– Manufacturing Project Engineer
• Created and implemented process in manufacturing lines for MRI machine with adhering to Quality system ISO 13485.
• Work experience in vendor management, planning, purchasing, supply chain management and logistics.

Projects:

Jul'23 - Jul-23

Text summarization using Flan-T5-base model
• Conversational dialogue data processing and fine-tuning of Flan-T5-base model with PEFT techniques to downstream LLM for text summarization application.
• Built instruct PEFT model which achieved rouge1 score of 0.39 & rouge2 score 0.14 by updating 1.41% of original model parameters.

Jun'23 - Jun-23

Texas Salary Prediction
• Goal of this project is to predict Texas government employee's salary.
• Designed and developed scalable project using GradientBoostingAlgorithm, it's regression problem which gave r2 score of 92% after tuning parameters.

Technical Skills:

Data science/Machine learning:
Python, Data preparation, Data mining, Data visualization, Dimensionality reduction, Feature selection & engineering, supervise & unsupervised ML algorithms, Deep learning, NLP and LLMs.

Mathematics for Data science:
Linear algebra, Probability & statistics.

Python packages and Frameworks:
Transformers, Scikit-Learn, matplotlib, seaborn, NumPy, Pandas, Scipy, Spacy, RegEx, chainlit, NLTK and Unittest.

Database and Deployment:
MySQL, GitHub, Bitbucket.

Tools:
Jupyter notebook, Anaconda, VS code, bitbucket, Vim.

Certifications:

Certified Data Scientist
International Association of Business Analytics (IABAC)

Generative AI with Large language models
Deeplearning.AI

Natural Language processing with Python
Udemy(Instructor: Jose Portilla)

Academics:

Nitte Meenakshi Institute of technology-Bengaluru

B.E in Electronics and Communication
Graduated Jun-2018

Soft Skills:
• Optimistic
• Problem solving
• Time management

Other details:

Languages:
Kannada, Hindi, English, Telugu
Marital Status: Single

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