

OBJECTIVE

Data Science and Artificial Intelligence enthusiast with strong expertise in Python, data analytics, model building, machine learning, deep learning, and NLP. Seeking an entry-level Data Scientist or AI Engineer role to leverage skills in predicting outcomes for data-driven decisions and contribute to innovative AI solutions .

TECHNICAL SKILLS

Programming & Data Analysis: Python, NumPy, Pandas, Matplotlib, Seaborn, Microsoft Excel (Advanced), PowerBI (Business Intelligence) Desktop, EDA (Exploratory Data Analysis), SQL (e.g., PostgreSQL, T-SQL)

Data Science & Machine Learning: Supervised Learning, Unsupervised Learning (e.g., K-Means Clustering, Principal Component Analysis (PCA)), Statistics, Hypothesis Testing

Deep Learning & Natural Language Processing(NLP) : ANN (Artificial Neural Networks), Recurrent Neural Networks (RNN), Convolutional Neural Networks (CNN), Large Language Models (LLMs), Retrieval- Augmented Generation (RAG), Long - Short Term Memory Networks (LSTMs), Gated Recurrent Units (GRUs)

Frameworks : Scikit-Learn, Keras, TensorFlow, NLTK, spaCY, LangChain, Hugging Face Transformers,

Tools: Vector Database (Pinecone, Chroma DB), Jupyter Notebook, SSMS, GitHub, Google Colab, PyCharm, VS Cod

Soft Skills: Collaboration, Problem-Solving

EXPERIENCE

Intellipaat Software Solutions Private Limited | Remote

Sep 2023 - Feb 2024

Data Scientist Intern

- Preprocessed datasets with Numpy and Pandas for predictive insights, **ensuring data integrity**.
- Developed machine learning models, including Linear Regression (84.3% R-squared, Insurance Charges Prediction), Random Forest (80% accuracy, Customer Churn Analysis, optimized via Grid Search), Logistic Regression (84% accuracy, 0.86 precision/recall, Heart Disease Prediction).
- Worked on COVID-19 Forecasting (Prophet, time series), Placement Detection (75% accuracy, Decision Tree), and Sales Insights (Power BI dashboards) Projects.

PROJECTS

Medical Chatbot Using RAG | Streamlit, LangChain, Hugging Face, Pinecone, DeepSeek V3

- Built AI medical chatbot using **RAG** and **DeepSeek API** (via free OpenRouter.ai key from OpenAI), transforming 600+ pages of **The Gale Encyclopedia of Medicine** Book into 10K+ embeddings with **Hugging Face Transformers** for accurate symptom analysis using a 384-dimensional **Pinecone index**.
- Designed **NLP** symptom checker and Q&A, managing 50+ daily queries with 99.9% uptime via **Streamlit UI**, achieving 50% faster query responses using **Pinecone vector database** for efficient medical info retrieval.
- GitHub Repo [<https://bit.ly/40xBewb>] | Live app [<https://bit.ly/3TcwI7U>]

Movie Recommendation System | NLP, CountVectorizer, Cosine Similarity, Scikit-Learn

- Crafted a content-based recommender leveraging a TMDb **5,000-movie** Kaggle dataset, achieving top 5 movie recommendations tailored to user tastes with **90%+ cosine similarity accuracy**.
- Enhanced CountVectorizer for **30% faster processing**, linked TMDb API for dynamic posters, and launched on Streamlit with **<1s response** time. GitHub Repo [<https://bit.ly/46qyiFk>] | Live app [<https://bit.ly/4kZQ32Q>]

Myntra Inventory Analysis Chatbot | Python, LangChain, PostgreSQL, Neon, Streamlit, Plotly, SQLAlchemy, psycopg2, DeepSeek-V3-0324

- Engineered a **Streamlit** app for Myntra inventory data analysis, leveraging **NLP** to convert natural language queries into **PostgreSQL** queries using **LangChain** and **DeepSeek-V3-0324 API**, processing **221K+ rows on Neon**.
- Developed **Plotly** visualizations for revenue of **top 5 categories** and **individual categories**, enabling time-filtered (7/30/90-day) insights with 100% accessibility, low-stock alerts for top 10 items, and a history section for 5 recent user questions. GitHub Repo [<https://bit.ly/3IkPRg1>] | Live app [<http://bit.ly/3Gk9N2a>]

CERTIFICATIONS

Artificial Intelligence - Honeywell	Oct 2023 - Nov 2023
PGP in Data Science and Machine Learning - Intellipaat	Sep 2023 - June 2024
MITx MicroMasters in Data Science - MIT	May 2024 - Aug 2024

EDUCATION

Kakatiya Institute of Technology and Science for Women, Nizamabad	Oct 2021 - June 2024
B.Tech in Electrical and Electronics Engineering 7.2	
Government Polytechnic Nizamabad	June 2018 - May 2021
Diploma in Electrical and Electronics Engineering 9.64	