Dhruv Sadanand Suthar

Canada | +1(306)-514-7394 | dhruvsuthar0919@gmail.com | LinkedIn |Github

SUMMARY

+2 year of experience as a Data Analyst and Machine Learning Engineer adept at extracting insights from diverse data sources to drive informed decision-making. Skilled in data acquisition, cleaning, and model development, with expertise in NLP and statistical analysis. Proficient in Python, SQL, and tools like Tableau and PowerBI. Certified in Azure Data Fundamentals, Python Data Analysis, and Machine Learning Engineering. Strong communicator with a passion for continuous learning and innovation.

EDUCATION

Saskatchewan Polytechnic – Saskatoon, SK **Graduated: April 2023**
Post Graduate in Artificial Intelligence and Data Analysis **(GPA – 3.7)**
Shri Sitarambhai Naranji Patel Institute of Technology & Research Center - GJ, India **Graduated: June 2021**
Bachelor of Engineering in Computer Engineering **(GPA – 3.42)**

TECHNICAL SKILLS

- **Languages:** Python (Including Django), SQL
- **Databases:** SQL, NoSQL (Oracle, MongoDB), Hadoop
- **Libraries/Frameworks:** NumPy, Pandas, Matplotlib, NLTK, spaCy, TensorFlow, Keras, Scikit-Learn, PyTorch, Seaborn
- **NLP:** Named Entity Recognition, Text Classification, Sentiment Analysis, Word Embeddings, LLM models
- **Tools/Technologies:** Tableau, PowerBI, MongoDB, AWS, Azure
- **Statistical Analysis:** Regression (Linear, Logistic), Decision Trees, Random Forests, Clustering, PCA, Time Series Analysis
- **Machine Learning Operations:** Model Deployment, Monitoring, Model Interpretability
- **Other Skills:** Problem-Solving, ELT (Extract, Transform, Load), Anaplan, MS Word, MS Excel, MS PowerPoint

WORK EXPERIENCE

Data Analyst and Machine Learning Engineer, LEAP TECHNOWAY – GJ, India **June 2021 to Present**
• Acquiring data from diverse sources such as **web scraping, APIs**, external databases, surveys, and observations.
• Performing **data cleaning, validation, and preprocessing** to ensure accuracy and completeness of raw data.
• Identifying trends, patterns, and anomalies in data to facilitate informed decision making.
• Offering technical expertise in data storage structures, **data mining**, and data cleansing.
• Develop and implement **machine learning models** using various **algorithms and frameworks**.
• Optimize **feature selection** to improve model interpretability and efficiency.

Research Assistant, Saskatchewan Polytechnic – Saskatoon, SK **January 2023 to May 2023**
- Conducted **research** to evaluate the effectiveness of multiple suboptimal explanations versus a solitary optimal explanation.
- Created a **GPT- 3** speech to Text chatbot using **NLP (Natural language processing)**, conversational memory and **LLM models (Large Language Models),** integrating the **OpenAI API** library.

CERTIFICATIONS

Azure Data Fundamentals (DP-900)   **Python Data Analysis**   **Machine Learning Engineer**   **PowerBI**   **WES Evaluation**

TECHNICAL PROJECTS

Sentiment Analysis on Live Twitter Data
• Implemented real-time Sentiment Analysis on live tweets using **Natural Language Processing (NLP)** techniques.
• Utilized **Python**, **Tweepy**, and **NLTK/spaCy** for dynamic data retrieval and preprocessing directly from Twitter's API.
• Deployed advanced machine learning models **(e.g., RNNs, Transformers)** for accurate classification into positive, negative, or neutral sentiments.

Text-to-Speech Chat GPT Language Model Development
• Utilized **NLTK (Natural Language Toolkit)** and the **OpenAI API** to engineer a powerful Text-to-Speech language model.
• Developed a versatile solution capable of addressing a wide range of real-world issues through natural language processing.
• Integrated OpenAI's advanced language model, GPT (Generative Pre-trained Transformer), for enhanced linguistic capabilities.

Crypto Currency Prediction
• **Data scrapping** using **Web Scraper** from Binance Website and showcased proficient data cleaning in both **Microsoft Excel Jupyter notebook** as well as **Google Colab** for precise data preparation.
• Demonstrated technical expertise in exploratory **data analysis** and **machine learning models**, achieving an **86% Accuracy** using **Gradient Boosting** for predicting Crypto Coins.

COVID-19 Worldwide Cases Analysis
• Utilized Microsoft Excel for detailed **data analysis**, generating reports, and creating visualizations like **pivot tables and charts**.
• Utilized **PowerBI** to analyze global COVID-19 data, applying statistical techniques to derive key **performance indicators (KPIs)** and identify **trends, patterns**, and the severity of the pandemic.