

# ARJIT MISHRA

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## SUMMARY

A results-driven Data Science professional with expertise in Python, SQL, machine learning, and Gen AI .Skilled in creating prediction Models, and developing AI-powered solutions to solve complex business challenges.

## EDUCATION

### B.tech in Artificial Intelligence Machine learning,

Gyan ganga institute of technology and sciences

2020 - 2024

10 + 2 , St. Gabriel Senior Secondary School

2018 - 2020

## SKILLS

- **Languages** : Python, MYSQL - ETL & ELT , Pyspark
- **Skills** : MS Excel, MS Office , Machine Learning, Deep Learning, NLP
- **Framework** : TensorFlow, Langchain, Pandas, Scikit learn, Flutter ,Ollama ,Genai
- **Analytics** : EDA, Predictive Modelling, Statistical Analysis, Embedding
- **Webdev** : Flutter, Streamlit
- **Visualization** : Power BI, Matplotlib, Seaborn, Plotly

## EXPERIENCE

### Koncpt AI

AI Intern

July 2024 - Jan 2025

*Virtual*

- Deployed a healthcare recommendation RAG, processing patient health metrics to provide personalized health insights with 87% accuracy and reduced response latency by 60% through efficient caching.
- Developed a multi modal RAG system using GCP Vertex AI platform that seamlessly integrated medical imaging analysis with textual patient records.
- Engineered monitoring and feedback loop systems for continuous model improvement, including recommendation quality tracking.

### Google cloud

Gen AI - Virtual internship

Oct 2024 - Nov 2024

*Virtual*

- Led the development of an ATS Resume Analyzer using Gemini Pro 1.5 model, successfully deploying it on Streamlit to provide automated resume screening and analysis capabilities.
- Gained hands-on experience with Google's generative AI models, focusing on prompt engineering and model fine-tuning.

## PROJECTS

**Classification of Disaster Tweets** : Classified tweets as disaster-related or non using NLP techniques. The project involved extensive data preprocessing, including text cleaning, tokenization, and feature extraction using techniques like TF-IDF and word embeddings. Implemented and compared various classification algorithms such as Logistic Regression, Random Forest, and XGBoost. Achieved an accuracy of 82% and optimized performance using hyperparameter tuning.  
[Check out here!](#)

**ML-algorithm-for-stack-exchange** : Machine learning model that accurately predicts various scores (e.g., question quality, answer quality, user reputation) on Stack Exchange based on user intent.Using NLP ,Word embedding, Vectorization and Model training.  
[Check out here!](#)

**Smart Search Tool** : Course discovery platform that leverages web scraping to aggregate free courses from Edtech Platforms. Using RAG with FAISS vector database and prompt engineering, it delivers hyper-personalized course recommendations based on semantic search and learner preferences. Built with Python, BeautifulSoup, LangChain, and vector embeddings, this tool transforms the course search experience into an AI-powered educational journey.  
[Check out here!](#)

## CERTIFICATIONS

- DATACAMP : Associate Data Scientist [here](#)
- GOOGLE : Data Analytics specialization [here](#)
- AWS - AWS Academy Machine Learning Foundations [here](#)