

Arya Veer Krishna

A-1005, AIMS GREEN AVENUE, GREATER NOIDA UTTAR PRADESH

Email: | **Phone:** +91 9122112912 | [Portfolio](#) | [Linkedin](#)

PROFESSIONAL EXPERIENCE:

JIO Platforms Limited, Mumbai

December, 2023 -

Present Role: Data Scientist; Team: Analytics COE

- Working as part of the Jio Analytics COE team, focusing on delivering enterprise-level Advanced RAG chatbots with semantic caching, reducing LLM calls by 25% while ensuring consistent responses , prompt routing for routing unnecessary queries , using on-prem llm's like llama 3.1 to evaluate the pipeline and rephrase user queries.
- Developing scalable data ingestion pipelines using Ray to manage proprietary data in vector databases.
- Built a graph plot(extracted from pdf) to csv generation pipeline using LMM.
- Building summary indexing pipelines for unstructured data and storing it in Milvus.
- Leveraging a diverse technology stack, including DSPy, LangChain, PostgreSQL, Docker, and Ray, to build efficient, scalable solutions.

EDUCATION:

K. J. Somaiya Institute of Technology, Mumbai

August 2019 - June, 2023

Bachelors of Technology in Electronics and Telecommunications Engineering

- Cumulative GPA: 9.32/10

Hira Lal Public School, Mundka Delhi

May 2017 - March, 2018

Higher Secondary Certificate (HSC)

- Percentage: 76.6%
- Stream: Science

SKILLS:

• Technical Skills:

- GenAI: LMMs , LLMs,Langchain , Llama-Index, Fine-Tuning, Prompt Engineering, Retrieval Augmented Generation(RAG), HuggingFace, Embedding Models, Vector-DBs,Evaluation.
- Scaling RAG pipelines: RAY framework , Map reduce
- Deep Learning: TensorFlow, PyTorch, Model Architectures, Computer Vision.
- ML-OPS: GitHub, Docker, Kubernetes, FastAPI , Gradio
- Programming: Python, SQL, Java-Script
- Microsoft Office: Excel, PowerPoint, Word.
- Business Skills: Research and Report Writing.
- Soft Skills: Communication, Problem Solving, Analytical Thinking, Leadership, Teamwork

PROJECTS:

Adaptive RAG

- The adaptive RAG framework enhances response accuracy by selecting the appropriate strategy for handling queries, ensuring efficient processing for both simple and complex requests.

CERTIFICATIONS:

- Google Python Programming Course : [Coursera](#)
- Google Cloud : Machine Learning Operations (MLOps) : [Coursera](#)

ACHIEVEMENTS:

- Published my own IEEE paper in 2022 5th International Conference on Advances in Science and Technology (ICAST) **A Modern Approach To Conventional Silk Farming** DOI: 10.1109/ICAST55766.2022.100395