RAKESH HALIJOL

Bengaluru, Karnataka

 +91 8310937902 [](mailto:x@gmail.com) [rakeshkhalijol05@gmail.com](mailto:rakeshkhalijol05@gmail.com)



[Rakesh Halijol](https://www.linkedin.com/in/rakesh-halijol-7061ab21a/)

# Experience

**SAPLABS India Pvt Ltd. Aug 2022 – Present**

*Data Science scholar Bengaluru, India*

* Building and optimizing Machine Learning, Deep Learning, and GenAI solutions for intelligent automation and insights.

**Projects**

**Smart Suggester** *| Jul 2023 - Sept 2024 |* **4**

• Built an AI-driven **Jira issue resolution system** using **RAG** and **vector similarity search**.  
 • Developed a pipeline to collect, embed (**text-embedding-ada-002**), and store Jira issues in **ChromaDB**.  
 • Integrated **GPT-4** to generate solutions for new issues based on similar past cases.  
 • Automated data collection and tracking via **Jenkins jobs** and **cron jobs**.  
 • Monitored **token usage & costs**, providing insights for SAP leadership.  
 • Designed a **scalable architecture** for deployment on **GCP team environments**.

**Sentiment Analysis on SAP Internal Product Comments Clone** *| Sept 2022 |* **4**

• Conducted **sentiment analysis** on SAP product comments using **BERT** and other embedding models.  
 • Tracked all model experiments using **MLflow** for versioning and performance evaluation.  
 • Applied **PCA** on embeddings to analyze feature importance and reduce dimensionality.  
 • Performed **NLP preprocessing**, **EDA**, and feature engineering for optimal model performance.  
 • Deployed the model on **GCP Machine** and implemented **real-time monitoring** for insights.

**Smart Procurement Clustering – AI-Driven Vendor Segmentation | June 2023| 4**

• POC deployed on GCP VM for AI-based procurement insights.  
• Used all-MiniLM-L6-v2 for embeddings; applied KMeans & DBSCAN for clustering.  
• Evaluated with Silhouette Score to identify vendor patterns and anomalies.

# Education

**Birla Institute of Technology and Science, Pilani (BITS Pilani) Dec’2022 - Jun’2025**

*Master of Technology(M.Tech) in Data Science (CGPA of 7.44) Bengaluru, Karnataka*

**Mangalore Institute of Technology & Engineering Dec’2018 - Jun’2022**

*Bachelor of Engineering in Computer Science & Engineering(CGPA of 8.0) Mangalore, Karnataka*

# Technical Skills

**Languages**: Python, JavaScript, Java

**Technologies/Frameworks/Libraries**: Machine Learning, Deep Learning, NLP, Generative AI, Agentic AI, LLM Fine-tuning, MLOPS, Data Analysis, Data Visualization, statistics, HuggingFace, FastAPI, NextJS, Android Studio