

Prajwal HA

Data Scientist

Results-driven data science specialist with a proven track record of **2.5+** years in designing and developing advanced **machine learning and deep learning solutions** for various industries. Proficient in **Python programming, ensemble methods, and natural language processing (NLP)**. Actively exploring large language models (**LLMs**) and leveraging the **Langchain** framework to drive **GenAI Automation**. Committed to staying at the forefront of technological advancements to deliver innovative and impactful solutions.

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WORK EXPERIENCE

Data Scientist

LEAPS Powered By Analyttica

09/2022 - Present,

Bengaluru

Skills: Python, SQL, Excel, Data Preprocessing, Statistics, Machine Learning, Artificial Intelligence, Deep Learning, Natural Language Processing, GenAI, RAG, Fine-Tuning

- Developed Python-based data science algorithms and personalized analytics, driving a **60% increase** in customer engagement and **reducing churn by 25%**.
- Oversaw **code reviews, testing, and debugging** processes for **junior team** members to maintain high code quality and ensure the reliability of deployed models.
- Designed and deployed a **RAG-powered recommendation engine**, delivering contextual recommendations for data science functions and boosting user productivity.
- Designed **Colpilot** project, integrating three core **engines—processing, inference, and recommendation**—to streamline workflows and enhance system performance.
- Improved Copilot **accuracy** from **70% to 90%** by leveraging **Llama-3.2** to generate contextual data.
- Utilised **gpt-4o**, and **LangChain** to build pipelines, generate contextual data, and automate workflows, enhancing precision and user relevance.
- Built a dynamic API integration router framework using the **React Agent** and utilized **vector databases** like **Pinecone** for optimal contextual embedding retrieval.
- Added **MLOps** capabilities to the product, enabling **experiment tracking, model serving**, and the ability to **retrain models** on the latest data for improved performance and adaptability.
- Delivered high-impact POCs combining **streamlit**, few-shot learning, function calling, fine-tuning, and API integrations to automate and optimize data science processes.
- Conducted multiple **open-house sessions** with various **clients**, providing product introductions and explaining data science concepts.

Python Developer Intern

Analyttica Datalab Pvt Ltd



05/2022 - 01/2024

Bengaluru

Skills: Python, SQL, Excel, Tableau, Data Preprocessing, ML, Statistics, Hypothesis testing, Natural Language processing, Deep Learning

- Gained skills in Analytical tools, **Visualization** tools, **Machine Learning, Statistics, Hypothesis testing, Natural Language Processing**, and teamwork.
- Developed and implemented multiple **Python scripts** to **automate** various tasks, optimizing workflow processes and reducing manual effort.
- Inventory management using consumption patterns and vehicle telematics data. **Reduced operation cost** to store and transport parts by **25%**.

PERSONAL PROJECTS

Recommended system for visualisation dashboard

03/2023 - 01/2024, Skills: NLP, Transformers, GenAI, Google Gemini, Streamlit, Deployment, Kubernetes



- Visualisation:** Implemented dynamic and **interactive charts** using **Plotly** to enable real-time data visualisation and exploration.
- Backend Integration:** Utilised **Kafka** for efficient data streaming and processing, ensuring seamless and low latency updates to visualisations.
- Dashboard Development:** Designed and developed a user-friendly interface with dashboard functionalities, allowing users to create and customize visualisations.
- Concurrency and Parallelism:** Applied advanced **OOP concepts, including synchronization** and managing the **Global Interpreter Lock (GIL)**, to optimize performance and responsiveness.
- Customization Options:** Integrated an editor feature that allows users to modify chart parameters and styles directly within the dashboard.
- Achieved widespread adoption, with over **1,000+ daily users** actively utilizing the dashboard for data analysis and visualisation.

TECHNICAL SKILLS

Expertise in Languages and Tools

Python - 4.5 || SQL - 4.5 || HTML - 3.5 || CSS - 3.5 || Prompt-Engineering - 4.5 || Excel - 3.5 || Github-4 || Looker Studio - 3.8

ML & DL Frameworks

Pandas, PandasAI, NumPy, Scikit-Learn, NLTK, Tensorflow, PyTorch, Streamlit, Google Generative AI, Langchain, Llamaindex, Playwright, OpenAI, RAG, Autogen, CrewAI

RELEVANT COURSEWORK

Generative AI with Large Language Models
(10/2023 - 11/2023)

Coursera

Python for Everybody
(12/2022 - 07/2023)

Udemy

Machine Learning A-Z: AI, Python & R
(01/2023 - 03/2023)

Udemy

EDUCATION

Master Of Computer Application,
MS Ramaiah Institute of Technology
CGPA - 9.5 || 2020-2022

Bachelor Of Computer Application,
Dayananda Sagar University
CGPA - 9.0 || 2017-2019

PLATFORM

- Google Colab
- PyCharm
- MIFlow & KubeFlow
- Tableau
- Bitbucket & GitHub
- Jupyter Notebook
- Google Colab
- Docker
- Kubernetes
- Jenkins
- FastAPI
- Sequel Pro

LANGUAGE

- ENGLISH
- HINDI
- KANNADA