

AKASH DAWARI

Data Science Engineer

+91-8076370793

akashdawari202@gmail.com

[LinkedIn Profile](#)



Technical Skills

Programming Language

Python

Concepts

GenAI

NLP

Classical Machine Learning Algorithms

SQL

CI / CD Pipeline

Cloud & OS

Azure

AWS

Windows

Linux

Tools

Git

Docker

Pandas / Numpy
Matplotlib / Seaborn / Plotly

OCR

FastAPI

Frameworks

Langchain

Scikit-learn

Pytorch / Tensorflow

Education

**Bachelor of Technology
(B.Tech. in I.T.)**

From GL Bajaj Institute of
Technology & Management

2021 Passout ----- **76%**

**12th Class / High School
(STEM/PCM)**

From Vanasthali Public
School

2017 Passout ----- **84%**

Work Experience

Data Science Engineer at LTIMindtree

Noida, India | June, 2023 - Present

Tech Stack Used : Python, LLM, Langchain, RAG, OCR, NLP, Azure cloud services, Microsoft Graph APIs, huggingFace, Pytorch

- Developed an **advanced OCR technique** for diverse invoices, reducing custom OCR development **time by 80%** and saving clients **30% in operational costs**.
- Engineered a flexible **RAG system** with a document ingest pipeline, leveraging **re-ranking, Corrective RAG** and **self-RAG**, increasing retrieval **accuracy by 25%**.
- Created an **AI-driven** candidate screening platform using **Azure AI services**, **automating 70% of evaluations** and **reducing recruitment costs**.
- Built **data pipelines** with Python and Azure, automating email **data extraction** and lowering operational costs.

Machine Learning Engineer at HomeCapital

Mumbai, India | Nov, 2022 - June, 2023

Tech Stack Used : Python, Pandas, Numpy, Matplotlib, Seaborn, Plotly, Sklearn, mongoDB, MYSQL, AWS, Jupyter Notebook, Web Scrapping, Selenium

- Initiated a **housing price prediction model** for prime Indian cities, **enhancing market strategy** for the sales team.
- Analyzed** customer **bank statements** and **Equifax data**, identifying spending patterns that **improved sales pitches** and **product offerings**.
- Contributed to **Computer Vision projects** like **Aadhaar masking**, automated bank form verification, and facial image matching for enhanced security.
- Engineered **credit risk models** using bank statements, Equifax data, and third-party info, **reducing NPAs** and **improving targeted product offerings**.

Senior Analyst at Capgemini

Kolkata, India | August, 2021 - October, 2022

Tech Stack Used : Python, MySQL, DBMS, postgresql, nltk, spacy, problem solving, data Structure and Algorithms

- Spearheaded **text data cleaning** and preprocessing, improving data quality by 30% and streamlining the **ingestion data pipeline** for faster analysis.
- Built interactive **dashboards** using **Matplotlib, Seaborn, and Plotly**, boosting client decision-making efficiency by 25%.
- Presented user stories and project progress in **Agile** stand-ups, increasing client satisfaction.

Personal-Projects/POCs

Comprehensive GenAI application

- GitHub-Link** : [LLM_POC_RAG_OCR_BOT](#)
- Live-App-Link** : [GenAI-Application](#)
- RAG Q&A System**: Implemented a versatile **Retrieve-and-Generate (RAG) system**, including **Simple, Corrective, and Self RAG methods**, to deliver accurate answers.
- Advanced OCR Module**: Created an enhanced OCR solution using **PaddleOCR** and a Large Language Model (LLM) to convert various document structures into structured JSON key-value pairs, **surpassing the limitations of traditional OCR systems**.
- Agentic Chatbot**: Built an adaptive chatbot equipped with **integrated tools**, enabling it to dynamically resolve complex user queries by leveraging multiple AI-driven resources.

Achievements/Links

● [Hackathon Winner Award](#)

● [Medium Articles](#)