

Adarsh Singh

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EXPERIENCE

Impressico Business Solutions

Trainee Engineer

Jan 2023 – Present | Noida, IN

- Built RAG systems using LangChain, Langfuse, OpenAI APIs.
- Developed RAG chatbot using FAISS, document loaders, embeddings (OpenAI/HuggingFace), and prompt templates.
- Integrated Langfuse for tracing and observability in LLM workflows.
- Designed FastAPI backends with logging, JWT auth, and Docker-based CI/CD.
- Worked with AWS (EC2, Lambda, S3) and GitHub Actions to deploy and maintain GenAI solutions.

Mobiloitte Technologies Pvt. Ltd.

Python/Django Intern

Feb 2023 – Jul 2023 | Delhi, IN

- Built scalable REST APIs using Django and DRF.
- Designed models, serializers, and admin dashboards.
- Assisted in ML pipelines with preprocessing and training.
- Contributed to frontend integration (JavaScript, jQuery, Bootstrap).

PROJECTS

PERSONAL PORTFOLIO + PROJECT SHOWCASE |

REACTJS + GITHUB + DEPLOYMENT

- Designed and built a responsive personal portfolio to showcase my GenAI, Machine Learning and Python full-stack projects.
- Hosted project details, code samples, and certifications.
- Integrated links to GitHub, and deployed demos.

ENTERPRISE RAG CHATBOT | GENAI + LANGCHAIN +

SELENIUM + FLASK

- Created production-ready chatbot with LangChain for both structured and unstructured data to give best product recommendations based on user queries.
- Used HuggingFace embeddings and Langfuse for tracing and observability.
- Deployed using Flask, Docker, Streamlit, and Nginx.

RECIPE RECOMMENDATION APP (PLANNED) | ML +

FLASK + WEB SCRAPING

- Suggested recipes using NLP on user-provided ingredients.
- Planned scraping with BeautifulSoup and Selenium.
- Intended to train TF-IDF + cosine similarity model for matching.
- Will be deployed using Flask and Docker.

EDUCATION

MAHARANA PRATAP GROUP OF INSTITUTIONS

B.TECH. IN COMPUTER SCIENCE & ENGINEERING

2019 – 2023 | Percentage: 81.50%

DURGA PRASAD VIDYALAYA

12TH GRADE (CBSE)

2019 | CBSE Board

SKILLS

LANGUAGES

- Python • C++ • SQL
- JavaScript

FRAMEWORKS & TOOLS

- Django • Flask • ReactJS
- FastAPI • Git • Docker
- LangChain • Langfuse • Postman

TECHNOLOGIES

- GenAI • LLMs • RAG
- Machine Learning • ElasticSearch
- AWS (EC2, S3, Lambda) • DBMS • Linux

CERTIFICATIONS

- **Python Certification** – IIT Kanpur Internshala
- **Data Science & Machine Learning** – GeeksforGeeks (GFG)

LINKS

Portfolio :// [my-portfolio](#)

GitHub:// <https://github.com/Adarsh172002>

LinkedIn://

<https://www.linkedin.com/in/adarshchauhan2002/>