

PROFESSIONAL EXPERIENCE

Gumbel AI

NLP Engineer

03/2025 – 04/2025

- **RAG System Evaluation & Model**

Development: Tested and evaluated multiple RAG systems, developing models using RAFT, Light RAG, and Graph RAG to enhance retrieval-augmented generation performance.

Refeso

R&D Intern

10/2024 – 02/2025 | Remote

- **Automated Workday Careers:** Developed Selenium-based automation to streamline Applying processes and reduce manual effort.
- **Optimized Workable Processes:** Developed Playwright automation to streamline candidate management and improve reliability.
- **Browser Agent Automation:** Created intelligent agents to automate website tasks and enhance operational efficiency.

Say Apps

R&D Intern

10/2024 – 02/2025 | Remote

- **ChatGPT-Powered Telegram Bot:** Built an automated YouTube transcript summarizer with Selenium, reducing manual workload.
- **Web Scraping & Content Generation:** Developed custom agents with Selenium to scrape data from X and LinkedIn, enhancing content creation.
- **Data Management for RAG:** Optimized data retrieval using Pinecone, improving performance and speed for RAG operations.

EDUCATION

Chandigarh University

B.E. in Computer Science & Engineering (AI/ML specialization) – IBM collaboration.

08/2021 – present

OSS CONTRIBUTIONS

AI Hawk

Feature Enhancement & Collaboration: Added zip code functionality to the library and bot. Collaborated with team members to resolve tickets and assisted multiple users in setting up the bot.

Light RAG

Export Feature: Implemented export functionality for entities, relations, and data in CSV, Excel, Markdown, and text formats.

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PROFILE

Passionate AI/ML Engineer who likes to automate

SKILLS & INTERESTS

- **Machine Learning:** Model Development, Data Preprocessing, Neural Networks
- Gen AI, AI-driven Automation, AI Agents
- **Programming Languages:** Python, Java, C, C++
- **Web Automation:** Selenium, Playwright
- **Data & Containerization Tools:** Pinecone, Docker, Git, BASH
- **Platforms:** Linux, Windows, macOS

PROJECTS

arAlse_Web

01/2025 – present

- arAlse_Web is a platform where we will display all our projects and offer users an easy way to learn about us and how to use our applications.

Ketsu Check

2024

- Developed a Password Strength Tester using machine learning, achieving over **90%** accuracy in identifying weak passwords.
- Dockerized the application for seamless deployment as a Streamlit app.

DocuTalk

2024

- Engineered a Streamlit app enabling users to upload PDF, DOCX, and PPTX files to query document content using LangChain and the Ollama language model.
- Implemented end-to-end processes including embedding generation, query processing, and automated CSV data plotting for enhanced document analysis.