

# Rishabh Acharya

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## Objective

Aspiring Data Scientist & Python Developer with expertise in AI/ML solutions, committed to leveraging Generative AI and data-driven insights for impactful business outcomes.

## Education

**Malwa Institute of Technology (RGPV, Bhopal)**  
*Bachelor of Technology, Computer Science and Engineering*

**Indore, MP**  
2020 - 2024

## Technical Skills

Languages and Tools : Python, SQL, Excel, Git, GitHub, Power BI.  
Libraries & Frameworks : NumPy, Pandas, Matplotlib, Seaborn, SK-Learn, TensorFlow, Generative AI, LLMs, Beautiful Soup, Selenium.  
Web Development : Flask, Django, AWS, MLflow, MySQL.

## Projects

### Fake Instagram Followers Detection Using Machine Learning: (Jan-March 2024)

- **Problem:** Businesses struggled to identify authentic influencers, leading to ineffective marketing strategies.
- **Solution:** Automated **data collection** using Selenium and Beautiful Soup, and developed a machine learning model with **93%** accuracy to detect fake followers.
- **Impact:** Enabled businesses to identify authentic influencers, enhancing **ROI** and marketing effectiveness.

### LLM-Based HR Policy Q&A System (Nov 2024)

- **Problem:** Employees often faced delays in resolving queries regarding HR policies due to lack of accessible information.
- **Solution:** Developed a custom **LLM** using GPT-Neo, **fine-tuned** on company HR policy PDFs to answer employee queries.
- **Implementation:** Pre-processed PDF document into embeddings for efficient retrieval and fine-tuned GPT-Neo for context-aware responses. Built a Flask-based web app for real-time Q&A.
- **Impact:** **Reduced** HR workload and improved query resolution time for employees.

### Spotify Quiz App: (Sept 2024)

- **Problem:** Music enthusiasts needed a platform to test their knowledge of Spotify playlists.
- **Solution:** Created a responsive user interface using HTML5, CSS, Bootstrap, and integrated **Spotipy** for real-time music feedback and dynamic score tracking with real-time interaction..
- **Impact:** **Delivered** an entertaining tool, enhancing user interaction and engagement with music content.

## Certifications:

[Data Science Bootcamp Udemy](#) | [AWS Cloud Computing](#) | [Data Analysis with Excel](#) | [Power BI](#)  
[Data Analysis Virtual Job by Accenture](#) | [SQL Basic HackerRank](#) | [Career Skills TCS](#) | [Soft Skills NPTEL](#)