

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 BeautifulSoup, and developed a machine learning model Random Forest 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 lacked an engaging quiz platform that allowed them to interact with their Spotify playlists by guessing songs from brief audio snippets in a multiple-choice format.
- Solution: Created a responsive user interface using HTML5, CSS, Bootstrap, and integrated **Spotipy** for music playback 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](#)