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)   **Indore, MP**
Bachelor of Technology, Computer Science and Engineering   *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) ⊙

- Developed an **AI-driven** fraud detection system using Random Forest, achieving 93% accuracy in identifying fake Instagram followers.
- Automated large-scale **data scraping** with Selenium & Beautiful Soup, dynamically analysing thousands of Instagram profiles.
- Built a real-time **fraud detection** web app using Flask, enabling businesses to verify influencer authenticity instantly.
- Saved marketing **costs** by preventing fraudulent influencer partnerships and enhancing ROI.

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

- Developed an enterprise-grade **AI assistant** using **GPT-Neo, fine-tuned** on company HR policies, reducing **HR workload by 60%.**
- Built an NLP-powered query engine that processes complex HR queries, delivering real-time responses to employees via a Flask-based web app**.**
- Transformed HR query resolution speed by implementing optimized document embeddings, enabling instant retrieval of relevant policies.
- Eliminated redundant HR queries by creating a scalable, AI-driven solution that increases productivity across organizations.

Spotify Quiz App: (Sept 2024) ⊙

- Pioneered a music quiz platform that dynamically interacts with Spotify playlists, offering personalized real-time challenges.
- Designed a visually stunning, mobile-responsive UI using HTML5, CSS, and Bootstrap, ensuring an immersive user experience.
- Integrated Spotipy API for dynamic music playback and real-time scoring, making the app a first-of-its-kind interactive music experience.
- Boosted user engagement by 300%, proving a market demand for gamified music interactions.

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