VIKAS JHA

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EDUCATION

Master of Computer Applications, IGNOU
Bachelor of Computer Applications, GGSIPU

SKILLS

Programming : Python, Data-structure, OOPs, C++, LLMs, Transformers, Generative AI, Linux, Git, Docker, FastAPI, Pytorch, NLP, Regex, Hugginfaces, Airflow, MLOps.

EXPERIENCE

Bolster   09/2023 - Present
Security Researcher

· Developed and deployed AI-driven cybersecurity solutions, including Generative AI tools and fine-tuned NLP, Computer Vision, and Logo Detection models to protect brands from phishing and scamming attacks.
· Built scalable automation frameworks for training and deploying deep learning models, ensuring reliability and security in production environments.
· Enhanced phishing detection accuracy by leveraging machine learning, data analysis, and integrating data from PostgreSQL, Cassandra, and Elasticsearch.

eClerx   01/2022 - 09/2023
Senior Analyst

· Acquired data from primary and secondary sources, maintaining robust databases and data systems.
· Managed large datasets, extracting insights from unstructured documents and performing pattern recognition using regex..
· Handled data collection and analysis requests across teams, ensuring accuracy and relevance.
· Presented actionable insights clearly to senior leadership, driving informed decision-making.

PROFESSIONAL PROJECTS:

Phishing and Scam Detection Tool:

· Developed an intelligent phishing and scam detection system, leveraging LLMs, Google Dorking, web scraping, and SerpAPI to automate query generation with 20% human-free utilization.

· Improved detection accuracy by 30% using Retrieval-Augmented Generation (RAG) and relevance scoring, delivering insights in structured formats and a user-friendly interface.

App Download Finder Script:

· Developed an LLM-integrated script for multi-modal analysis, automating 90% of app download page detection.

· Optimized workflows using text, vision, and HTML analysis, reducing processing time by 40% for 50+ URLs.

· Achieved 95% automation with real-time logging and reporting for reliable decision-making.

STRENGTHS

· A.I Enthusiast, Fast Learner, Passionate Problem Solver, Adaptive.