TEAM SKILLED LEARNERS

TEAM MEMBERS:
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1.Title-AI System to Detect Fake Job Offers and Scams

This project focuses on building an AI-powered system that helps users identify fake job postings, scam emails, and fraudulent recruitment links. The system analyzes job descriptions, email content, and URLs to determine whether a job opportunity is legitimate or suspicious. The goal is to protect fresh graduates and job seekers from online recruitment fraud.

2.Objective

The main objective of this project is to provide a smart safety tool for job seekers by automatically detecting scam patterns in job messages and postings. The system aims to reduce financial loss, identity theft, and emotional stress caused by fake job offers. By using AI, users receive instant warnings before they apply or share personal details.

3. Tools Used

For building this system, Python was used for development along with machine learning libraries such as TensorFlow and Scikit-learn for training classification models. Natural Language Processing techniques were applied to analyze text content, while URL reputation checks and keyword analysis were used for link validation. The project code and deployment can be managed using GitHub.

4. Methodology

The project began with collecting datasets of genuine and fake job postings, phishing emails, and scam messages. The text data was cleaned and processed using NLP techniques such as tokenization, stop-word removal, and feature extraction.
A classification model was trained to recognize suspicious patterns like unrealistic salaries, urgent payment requests, unknown recruiter emails, and fake company domains.

The trained model was then integrated into a simple web interface where users can paste job details, upload emails, or submit links for verification.

5. Output

The output of this project is an AI system that provides instant risk analysis. When a user submits a job posting or email, the system displays a warning level such as:

✅ Likely Genuine

⚠ Suspicious – Verify Details

❌ High Risk Scam

It also highlights the reasons behind the prediction, helping users understand potential fraud signals.

6. Result

The developed model successfully detected common recruitment scams with good accuracy during testing. It was able to identify phishing emails, fake recruiter domains, and misleading job descriptions. The system demonstrates how AI can play a crucial role in digital safety for job seekers.

7. Conclusion

This project shows that AI can be effectively used to protect individuals from online job fraud. By automatically analyzing job content and recruiter credibility, the system provides an early warning mechanism. Such tools can help fresh graduates make safer career decisions and build trust in online recruitment platforms.

8. Project

https://safeseeker-ai.lovable.app

9. GitHub Profile

https://github.com/shashikanthm996/IBMskillbuild2026.git