



# Zero Phish

AI-Powered Phishing Detection



# PROBLEM STATEMENT

Frontline supply-chain employees (procurement officers, warehouse staff, admin) interact daily with unknown external emails, chats, invoices and lack formal cybersecurity training.

Consequences include:

- Financial fraud and data breaches
- Loss of reputation and erosion of customer trust

Industry stats:

- 68% of companies experience cyberattacks
- 29% of those stem from vendor-targeted phishing



# OUR SOLUTION

A Generative-AI assistant tailored to non-technical supply-chain roles.



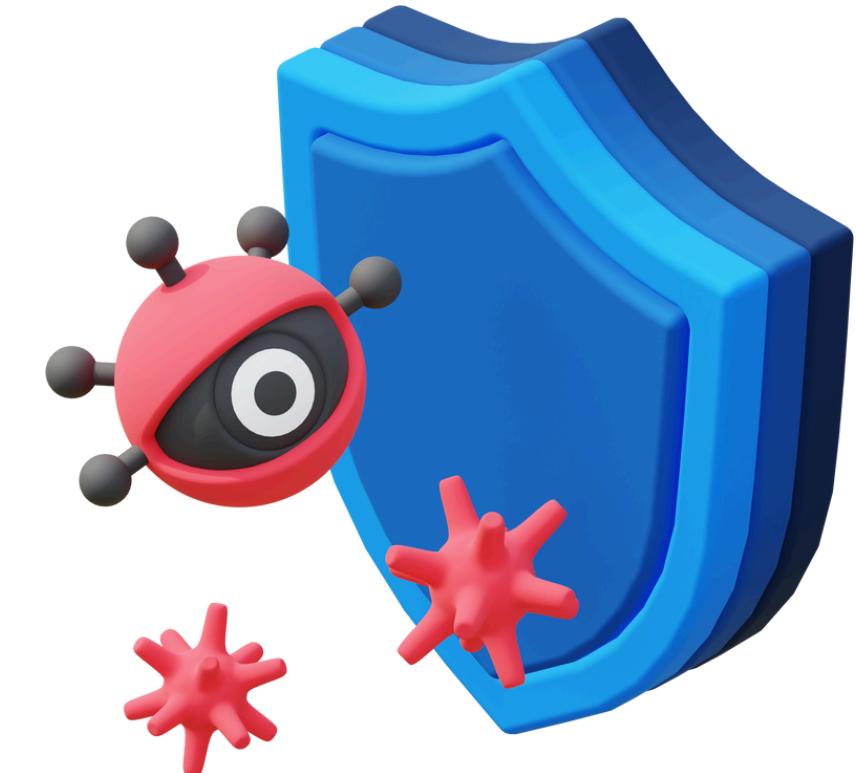
# KEY FEATURES

- Help non-technical users identify malicious content.
- Support text and file.
- Detect and explain the type of threat (phishing, spam, etc.).
- Provide risk score (0–100% confidence).
- Offer role-specific advice and awareness tips.
- Voice output (gTTS) for accessibility
- Downloadable, timestamped security reports for record-keeping

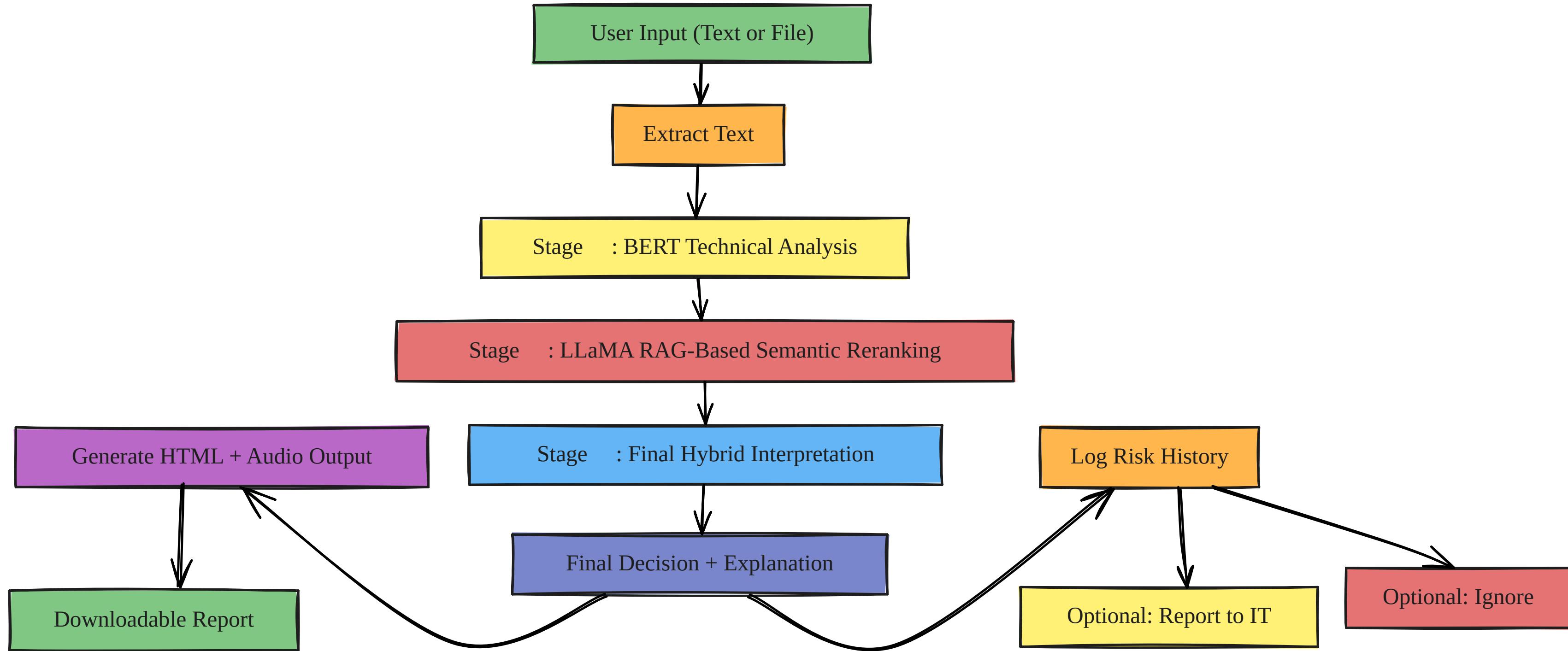


# TECH STACK

- **LLaMA (Groq)**: Fast inference + contextual explanations.
- **BERT**: Pretrained phishing detection model.
- **Streamlit**: Interactive frontend hosted on Hugging Face Spaces.
- **PyMuPDF**: PDF parsing for invoice/document text extraction.
- **gTTS**: Converts flagged explanations into speech.
- **Hugging Face Spaces**: End-to-end scalable deployment.



# SYSTEM DIAGRAM



# LIVE DEMO



Video will be added here

# APPLICATIONS

- **Procurement:** Validate vendor invoices & suspicious emails
- **Warehouse:** Screen documents & external messages for tampering
- **Admin:** Quickly check chat attachments and links
- **Finance & Logistics:** Prevent fraudulent payment requests



# FUTURE ADVANCEMENTS

- Real-time email-client/browser plugin integration
- Mobile app and desktop extension
- Support for additional file types (images, spreadsheets)
- Enhanced multi-language voice output and translations
- Adaptive learning to evolving phishing tactics via continual model updates



# TEAM MEMBERS

- **Nida Nadeem (Group Leader)**
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# THANKS

