

# DiagnoseAI

An AI-powered interface-agnostic knowledge base

Client: Avanade

Aadhik Easwar

James Lim

George Ghetiu



[aadhik.easwar.22@ucl.ac.uk](mailto:aadhik.easwar.22@ucl.ac.uk)

[james.james.22@ucl.ac.uk](mailto:james.james.22@ucl.ac.uk)

[george.ghetiu.22@ucl.ac.uk](mailto:george.ghetiu.22@ucl.ac.uk)





Image: DALL-E

## Problem:

- High turnover rates (brain drain)
- Lots of machinery to know
- Can ask colleagues; but not always available!

## Solution:

- AI-powered interface-agnostic knowledge base
- Process technical documents, uses LLM, understands images

## Admin Interface

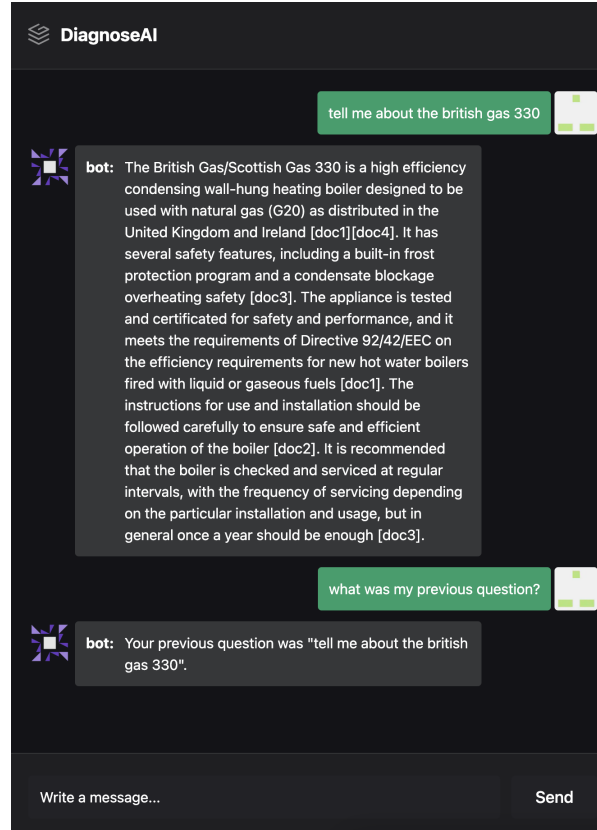


The Admin Interface for DiagnoseAI features a light blue header with the logo and name. Below the header, there are two main sections: 'Stages' and 'Upload Files'. The 'Stages' section contains a button labeled 'Upload File' with an upward arrow icon and a 'Validate' button with a checkmark icon. The 'Upload Files' section has a dashed blue border and contains a text prompt 'Upload or drop a file right here' with a PDF,DOCX file type indicator, a small upload icon, and a 'Confirm Upload' button.

### As the Admin:

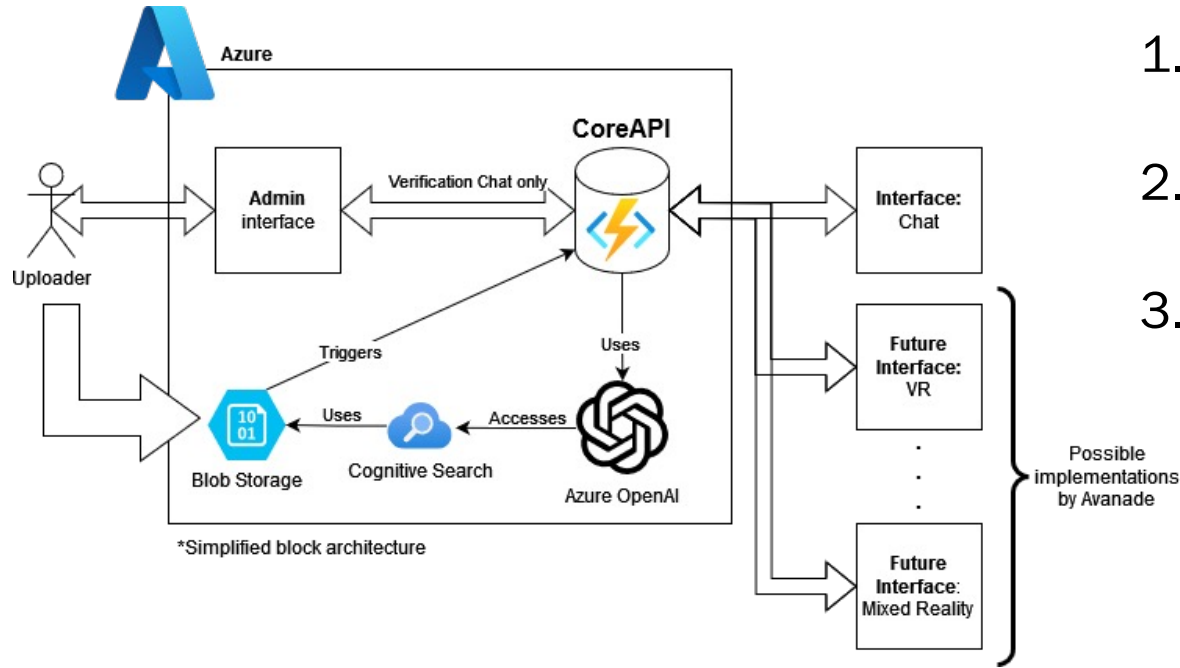
- Upload files to the knowledge base
- Verify uploads with chat interface

## Possible Interface (Chat)



The chat interface for DiagnoseAI has a dark theme. It shows a conversation where a user asks 'tell me about the british gas 330' and the bot responds with a detailed paragraph about the boiler's features and safety. The user then asks 'what was my previous question?' and the bot replies with the previous question text. At the bottom, there is a text input field labeled 'Write a message...' and a 'Send' button.

**As the engineer:**  
Use knowledge base  
via natural language  
(Chat, Voice, VR, etc)



## Deliverables

1. Experimental interface – Chat UI
2. Admin Interface to upload documents & verify them
3. CoreAPI to support future interfaces

Outline of the architecture to deliver

## Next steps:

- Customise the user interface according to client needs
- Incorporate industry-specific manuals for targeted information access
- Use existing Core API functionality to add new interfaces (e.g. VR)

# Thank you!

Blog



<https://2023-comp0016-avanade-team4.github.io/diagnoseai-dev-blog/>

