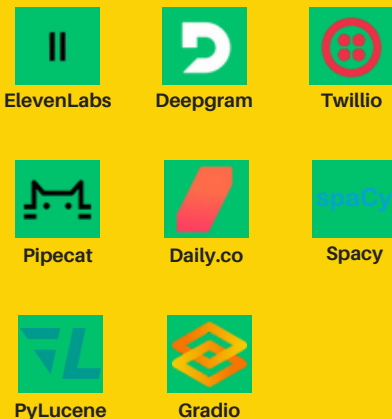# BITLogix's Artificial Intelligence (AI) Solutions

Building a Sustainable Tech Ecosystem

AI at BITLogix

Our AI practice delivers intelligent automation and advanced analytic capabilities, enabling enterprises to transform customer experience, streamline operations, and drive data-driven insights.

Technologies

ElevenLabs	Deepgram	Twillio
Pipecat	Daily.co	Spacy
PyLucene	Gradio	

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APPLICATIONS

1

AI Invoice Bot

Conversational voice bot that calls customers to remind them of pending invoices.
Features:
- Autonomous outbound calls with human-like accents and genders
- Real-time speech transcription and dialogue orchestration
- Post-call summary, audio, and transcript delivery

2

Bone Fracture Detection

AI-driven diagnostic assistant that detects fractures in X-ray images and generates detailed reports.
Features:
- Automated fracture identification from radiological scans
- Diagnostic report generation with visual annotations

3

Healthcare Speech-NLP Model

Transforms doctor–patient conversations into structured clinical insights, tagging symptoms, conditions, medications, and ICD codes.
Features:
- Leverages ASR for real-time medical speech transcription
- Employs a custom NLP model trained on clinical data to identify, standardize, and correct medical vocabulary—covering drug names, abbreviations, and domain-specific jargon
- Processes the cleaned transcript through a Medical NER pipeline that tags symptoms, conditions, medications, and procedures, then automatically maps each entity to standardized codes (e.g., ICD-10, SNOMED)