



AI Applications

for Governmental Records

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AI Applications for Governmental Recorders

In today's fast-paced digital world, government recorders are facing increasing demands to manage vast volumes of documents with speed, accuracy, and transparency. Whether handling property deeds, mortgages, or vital records, the challenge of maintaining accuracy while ensuring public accessibility has never been greater. Fortunately, artificial intelligence (AI) is transforming the way records are processed, stored, and secured.

By leveraging AI-driven tools, government recorders can significantly enhance efficiency, reduce errors, and provide a higher level of service to their communities. From automating tedious manual tasks to detecting potential fraud, AI offers practical, innovative solutions that empower government offices to meet modern challenges head-on, ensuring that the public's trust and confidence in official records remain stronger than ever.

Here are 10 practical AI applications that Government Recorders might use to enhance their operations:

Automated Document Classification: AI-powered systems can automatically categorize and sort incoming documents, such as deeds, mortgages, and liens, reducing manual effort and improving efficiency.

Example: Automating the sorting of incoming deeds, mortgages, and liens. **AI Product:** DeedAi by BIS Consultants DeedAi is specifically designed for county offices to streamline deed processing. It offers:

- Automated data extraction from various deed documents
- Intelligent document classification
- Error detection for compliance checks
- Integration with existing systems

Practical Application: Implement DeedAi to reduce manual data entry, minimize errors, and speed up document processing times.

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Optical Character Recognition (OCR): Advanced OCR technology can digitize handwritten or older documents, making them searchable and easier to manage in digital databases.

Example: Digitizing handwritten or older documents for easier searchability. **AI Product:** ABBYY FineReader. ABBYY FineReader is a well-known OCR solution that uses AI to:

- Convert scanned documents into searchable, editable formats
- Recognize text in multiple languages
- Preserve document layouts

Practical Application: Digitize your county's historical records, making them easily searchable and accessible to the public.

Intelligent Data Extraction: AI algorithms can extract relevant information from various document types, populating databases and reducing manual data entry errors.

Example: Extracting relevant information from various document types. **AI Product:** Rossum. Rossum offers:

- AI-powered data extraction from diverse document formats
- Automatic field mapping and data validation
- Integration with existing document management systems

Practical Application: Use Rossum to automate data entry from incoming documents, reducing manual effort and improving accuracy.

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Fraud Detection: Machine learning models can analyze patterns in documents to identify potential fraudulent activities or inconsistencies in property records.

Example: Identifying potential property tax fraud or deed fraud. **AI Product:** Defend by Proof Defend is an AI-powered fraud detection tool that:

- Detects over 100 risk signals in real-time
- Provides risk scores for transactions
- Identifies traditional and emerging fraud methods, including deepfakes
- Allows custom fraud policies

Practical Application: Use Defend to screen incoming documents for potential fraud, especially in high-value property transactions.

Predictive Maintenance: AI can monitor the condition of physical records and storage systems, predicting when maintenance or preservation actions are needed to protect valuable documents.

Example: Monitoring the condition of physical records and storage systems. **AI Product:** C3 AI Reliability. C3 AI Reliability offers:

- Unified operational data from multiple sources
- Advanced machine learning for equipment risk identification
- Predictive maintenance scheduling

Practical Application: Use C3 AI Reliability to predict when maintenance is needed for document storage systems, preventing damage to valuable records.

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Natural Language Processing for Public Inquiries: AI-powered chatbots or virtual assistants can handle routine public inquiries, providing instant access to information and freeing up staff for more complex tasks.

Example: Answering routine questions from the public. **AI Product:** IBM Watson Assistant. IBM Watson Assistant can:

- Handle frequently asked questions
- Provide information on property records
- Guide users through common processes

Practical Application: Implement a chatbot on your county website to handle basic inquiries, freeing up staff for more complex tasks.

Blockchain for Record Authentication: AI can work in conjunction with blockchain technology to create tamper-proof digital records, ensuring the integrity and authenticity of important documents.

Example: Creating tamper-proof digital records. **AI Product:** Numbers Protocol. Numbers Protocol provides:

- Blockchain-based unique fingerprints for digital assets
- Immutability and verifiability of records
- Integration with existing digital asset management systems

Practical Application: Implement Numbers Protocol to ensure the authenticity and integrity of digital records.

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Automated Indexing and Cross-Referencing: AI algorithms can create sophisticated indexing systems, making it easier to cross-reference and retrieve related documents across different categories.

Example: Creating sophisticated indexing systems for easy document retrieval. **AI Product:** Elasticsearch with NLP plugins. Elasticsearch with NLP plugins offers:

- Context and intent understanding in search queries
- Relevant results even with incomplete information
- Faceted search capabilities

Practical Application: Upgrade your current indexing system to allow more flexible and efficient cross-referencing of county records.

Smart Search Functionality: AI-enhanced search engines can understand context and intent, allowing users to find relevant documents even with incomplete or imprecise search terms.

Example: Enabling more intuitive searches of property records. **AI Product:** Elasticsearch with NLP plugins. Elasticsearch with Natural Language Processing (NLP) plugins can:

- Understand context and intent in search queries
- Provide relevant results even with incomplete information
- Offer faceted search capabilities

Practical Application: Upgrade your current search system to allow more flexible and user-friendly searches of county records.

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Automated Compliance Checking: AI systems can scan documents to ensure they meet legal requirements and standards before being officially recorded, reducing errors and rejection rates.

Example: Ensuring documents meet legal requirements before recording. **AI Product:** Compliance.ai.

Compliance.ai uses AI to:

- Monitor regulatory changes
- Automate compliance workflows
- Identify potential compliance issues in documents

Practical Application: Implement an AI-driven compliance check as part of your document recording process to reduce errors and rejections.

Embracing AI in government recording offices isn't just about keeping up with technology—it's about transforming the way public records are managed, ensuring greater efficiency, accuracy, and security. By integrating AI-powered solutions, government recorders can streamline their operations, reduce costly errors, and enhance public trust in the integrity of official records. Whether it's automating routine processes, detecting fraud, or providing faster access to information, AI offers practical benefits that directly impact the quality of service delivered to communities.

Now is the time to explore these innovations and harness the power of AI to future-proof government recording processes, ensuring they remain resilient and responsive to evolving demands. Don't wait—take the next step in revolutionizing your operations with AI today.

Chuck Gallagher

AI Consultant, Author and Speaker

Chuck Gallagher is a distinguished consultant, speaker and author known for his expertise in business ethics and artificial intelligence (AI). With a career marked by a commitment to ethical leadership, Chuck has become a sought-after voice in the intersection of ethics and emerging technologies. His profound understanding of ethical decision-making, shaped by extensive experience in the corporate sector, informs his insightful and practical approach to ethical behavior.

As an author of six impactful books, Chuck delves into the ethical dimensions of leadership and technology, challenging readers to rethink their approach to ethical behavior, AI and its societal impacts. His writings serve as catalysts for change, providing profound insights and practical guidance.

In his speaking engagements, Chuck captivates audiences with compelling narratives and actionable strategies, making complex ethical issues accessible and engaging.

As a consultant, he helps organizations navigate the ethical landscape, ensuring that technological advancements align with ethical standards.

Chuck Gallagher's contributions to the fields of business ethics and AI are characterized by his ability to demystify complex ethical implications, making him a leading thought leader in this critical conversation.