

Authent – Instant Document Validation SaaS

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Vision: Enable businesses to instantly validate documents and prevent fraud with AI-powered automation.

Problem Statement

Manual document verification is slow, error-prone, and exposes companies to fraud. Businesses need a fast, reliable, and scalable solution to validate identity, invoices, and other sensitive documents.

Target Users & Personas

Primary Users:

- FinTech companies (KYC & onboarding)
- HR teams (employee document verification)
- Accounting & compliance teams (invoice validation)

Personas:

- **Rajesh, FinTech Operations Manager:** Wants to reduce onboarding time for new customers.
 - **Priya, HR Lead:** Needs automated verification for hundreds of resumes and identity documents.
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Key Features & User Stories

Feature	User Story	Priority
AI Document Scanning	As a compliance officer, I want to scan documents instantly so that I can verify authenticity.	High

Feature	User Story	Priority
Fraud Detection	As a security manager, I want AI to flag tampered or fake documents so that fraud is minimized.	High
API Integration	As a developer, I want Authent API to integrate with our existing ERP/HR systems so that workflow remains seamless.	Medium
Audit Trail	As a compliance officer, I want logs of all validations so that we meet regulatory requirements.	High
Multi-Format Support	As a user, I want to upload PDFs, images, or scanned documents so that all document types are supported.	Medium

Technical Overview / Architecture

- **Frontend:** ReactJS, responsive dashboard
- **Backend:** Node.js + Express
- **AI Engine:** Python (TensorFlow / PyTorch for OCR & fraud detection)
- **Database:** PostgreSQL for structured data + S3 for document storage
- **Integrations:** REST API endpoints for ERP/HR/FinTech platforms
- **Security:** End-to-end encryption, GDPR & ISO 27001 compliance

Wireframes / Mockups

- Dashboard: Document upload & validation status
- AI Report: Highlighted anomalies & authenticity score
- API Documentation: Easy onboarding for developers

KPIs & Success Metrics

- Average document validation time < 5 seconds
- Fraud detection accuracy $\geq 95\%$
- API adoption rate $\geq 50\%$ of target enterprise customers

- Customer satisfaction score $\geq 90\%$
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Future Roadmap & Stretch Goals

- Mobile SDK for iOS/Android
 - Real-time verification via webcam or live capture
 - Multi-language OCR support
 - AI model continuous learning & self-improvement
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Challenges & Trade-offs

- **Challenge:** OCR accuracy on low-quality documents
 - **Trade-off:** Prioritize fraud detection accuracy over processing speed initially
 - **Mitigation:** Implement batch processing for high-volume uploads
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