

ANKIT RIJAL

AI SOFTWARE DEVELOPER

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SUMMARY

AI Software Developer with 2.5+ years of experience building production-grade applications and AI-powered solutions. Skilled in full-stack development (React, TypeScript, Python, C#/.NET) and generative AI (LangChain, RAG, OpenAI/Gemini APIs). Experienced in LLM integration, agentic workflows, and AI-assisted development using Claude Code and Cursor. Proven track record in cloud deployment (AWS, Firebase), CI/CD automation, and delivering scalable, intelligent software for enterprise and consumer applications.

EDUCATION

Fellowship in Applied AI <i>Gauntlet AI</i>	Dec 2025
Master of Science, Artificial Intelligence <i>University of the Cumberlands, Williamsburg, KY</i>	Aug 2025
Bachelor of Science, Computer Science <i>East Central University, Ada, OK</i>	May 2021

PROFESSIONAL EXPERIENCE

Software Developer <i>The Reynolds and Reynolds Company, College Station, TX</i>	Jan 2022 – Jul 2024
<ul style="list-style-type: none">Developed full-stack KeyTrak applications (desktop, web, mobile) using C#/.NET, React.js, and Electron.js, serving 5,000+ enterprise customers across platforms.Designed 30+ RESTful APIs using ASP.NET Core with SOLID principles, improving system performance and modularity.Migrated 50+ CI/CD pipelines from Jenkins to GitHub Actions, reducing deployment time by 30%.Led version control migration from SVN to Git across Agile teams, enabling modern collaboration workflows.	

SKILLS

Languages & Frameworks: Python, TypeScript, JavaScript, C#, SQL, React, React Native, FastAPI, Flask, ASP.NET Core, Electron

AI & LLMs: LangChain, OpenAI APIs, Gemini APIs, RAG Pipelines, Prompt Engineering, Vector Databases (ChromaDB, Pinecone), Hugging Face, Amazon Bedrock

AI-Assisted Development: Claude Code, Cursor, GitHub Copilot, Memory Bank, BMAD Method, CodeLayer

Cloud & DevOps: AWS (EC2, S3), Firebase, GCP, Docker, GitHub Actions, CI/CD, MLflow, DVC

Databases: PostgreSQL, Redis, Firestore

CERTIFICATIONS

AWS Generative AI for Developers – AWS

Generative AI and LLMs: Architecture and Data Preparation – IBM

Fundamentals of AI Agents using RAG and LangChain – IBM

Production Machine Learning Systems – Google Cloud

PROJECTS

Law Mint

React, Node.js, Firebase, OpenAI GPT-4o

- Built AI-powered legal document platform that automates demand letter generation, reducing drafting time by 50%+ for law firms.
- Developed real-time collaborative editing with change tracking, firm-specific templates, and Word document export.

Collab Canvas

React, TypeScript, Firebase, GPT-4 Turbo

- Built a real-time collaborative design canvas where multiple users can draw, create, and edit objects simultaneously with live cursor tracking and presence awareness (<100ms latency).
- Integrated AI-powered design commands for intelligent object creation and manipulation.
- Implemented layer management system with PNG/SVG export capabilities for professional design workflows.

Unilang

React Native, Firebase, GPT-4o-mini

- Developed cross-platform real-time messaging app supporting one-on-one and group chats with push notifications and offline message sync.
- Integrated AI-powered real-time translation enabling seamless communication across languages.
- Implemented smart replies, tone adjustment, and slang detection for culturally aware cross-cultural communication.

AI Math Tutor

Python, React, OpenAI API

- Built web-based conversational AI tutoring platform that teaches mathematics through the Socratic method.
- Guides students through step-by-step reasoning using leading questions, hints, and validation instead of direct answers.
- Designed to build genuine understanding and critical thinking skills through guided discovery.

Study Buddy

Python, LangChain, React

- Created persistent AI learning companion that keeps students engaged through conversational learning.
- Implemented adaptive quizzes that adjust difficulty based on student performance and learning patterns.
- Features personalized recommendations and intelligent nudges to maintain consistent study habits.

Clip Forge

Electron, React, TypeScript, FFmpeg

- Built modern cross-platform desktop video editor with intuitive interface for professional video editing workflows.
- Implemented video trimming, real-time preview, and export functionality with professional-grade performance.
- Leveraged FFmpeg for efficient video processing and format conversion across Windows, macOS, and Linux.