

# Aniket Patil

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## Professional Summary

AI-focused full-stack developer skilled in building RAG systems, collaborative editors, and secure MERN/Next.js platforms with strong backend and cloud deployment foundations.

## Technical Skills

**Languages:** Java, JavaScript (ES6+), TypeScript, Python

**Frontend:** React.js, Next.js, Tailwind CSS

**Backend:** Node.js, Express.js, REST APIs

## Experience

**Backend Developer Intern — Macbell Pvt. Solutions** *Apr 2025 – Jun 2025*

- Boosted backend performance by **40%** through refactored Express.js APIs, modular controllers, and reduced query overhead.
- Improved delivery speed by **30%** using Agile planning, Git branching, and CI/CD pipelines.
- Designed scalable MongoDB schemas and validated API workflows using Postman-based integration testing.

## Projects

**RAG Document Retrieval System — AI-Powered Document Search Platform** *Aug 2025 - Nov 2025*

- Developed a full-stack **RAG-based document retrieval system** using Django, DRF, ChromaDB, and Google Gemini to deliver semantic search and AI-driven Q&A over PDF documents.
- Built a scalable ingestion pipeline using **PyMuPDF** for text extraction, chunking, and vector embedding generation, enabling accurate and low-latency document retrieval.
- Implemented a modern frontend with **React 18, TypeScript, Vite, Shadcn UI**, featuring PDF viewing, favorites, search history, and secure user authentication via **Clerk**.
- Live Demo:** [pdf-rag-retrieval.vercel.app](https://pdf-rag-retrieval.vercel.app)

**CodeRev – AI-Assisted Code Editor with Real-Time Collaboration** *Mar 2025 – Aug 2025*

- Engineered a real-time collaborative code editor enabling multi-user editing, live cursors, and in-app communication using Next.js 15 and Firebase Realtime Database.
- Integrated Google Gemini API to deliver AI-assisted code suggestions, automated documentation, and syntax correction, increasing development efficiency by **30%**.
- Designed recursive file navigation and modular architecture to support scalable project management and seamless user experience.
- Live Demo:** [code-rev-ai-online-code-ide.vercel.app](https://code-rev-ai-online-code-ide.vercel.app)

## Education

**B.E. in Computer Science Engineering (AI & ML)**, KLS VBIT, Haliyal *2022 – Present*

- Current GPA: 8.65 / 10

**Pre-University**, Bangur Nagar Junior College, Dandeli *2020 – 2022*

- Percentage: 86.3%

## Achievements

- Achieved **Top 10 (8th place)** out of 125 teams at **Code Bharat 2025** 16-hour hackathon for building *KrishiLog AI*, a multilingual voice-first platform that converts sustainable farming practices into tradeable credits—earning an **incubation opportunity at IIT & IIIT Dharwad**.

## Certifications

MongoDB Node.js Developer Path — [MongoDB University](#)

Complete Web Development Bootcamp — [Udemy](#)

Java OOP — [Udemy](#)

Python 3.4.3 Training — [IIT Bombay](#)