

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

Technologies: Next.js, React.js, Node.js, Express.js, MongoDB (MERN), Django, RAG,

Experience

Software Developer Intern — MyStudentClub

Dec 2025 – Feb 2026

- Delivered multiple production PRs focused on UI/UX enhancements, feature updates, and critical bug fixes across core platform modules.
- Improved frontend performance using caching, debouncing, DOM batching, and set-based lookups, achieving **33.6% faster JavaScript execution** and **93% fewer DOM reflows**.
- Enhanced production stability and maintainability by adding null-safety checks, standardizing authentication flows, and refactoring UI components and video playback.

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.aniketpatil.dev

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:** coderev.aniketpatil.dev

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](#)