Aniket Patil

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[Portfolio](#) — linkedin.com/in/aniket-patil-861244257 — github.com/aniket-patill

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

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-compiler.vercel.app

Education

B.E. in Computer Science Engineering (AI & ML), KLS VDIT, 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](https://university.mongodb.com)
Complete Web Development Bootcamp — [Udemy](https://udemy.com)
Java OOP — [Udemy](https://udemy.com)
Python 3.4.3 Training — [IIT Bombay](https://iitb.ac.in)