Anuj Taywade

Software Developer

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Professional Summary

Computer Science and Engineering (AI) graduate with practical experience developing full-stack web applications and RESTful backend services using JavaScript, TypeScript, and Python. Proven track record of building, debugging, and shipping production features across the MERN stack and Django during two software development internships.

Education

G H Raisoni College of Engineering and Management, Jalgaon Nov. 2022 – Jun. 2026
B.Tech in Computer Science and Engineering (Artificial Intelligence)

Alphonsa High School 2022
Higher Secondary Certificate (Class XII)

Alphonsa High School 2020
Secondary School Certificate (Class X)

Experience

MERN Stack Intern Oct. 2025 – Apr. 2026
SputnikLabs

- Developed and tested RESTful APIs using Node.js and Express.js, validating request payloads, response structures, HTTP status codes, and error handling
- Integrated API endpoints with frontend components built using React.js and Next.js, troubleshooting client-server communication issues and data synchronization bugs
- Debugged API payload mismatches and request-response inconsistencies, improving data exchange reliability and reducing regressions in shared components
- Used Git for version control, managing feature branches and resolving merge conflicts within a collaborative development workflow

Projects

Throttlr: Distributed API Rate Limiter | *Python, FastAPI, Redis, Prometheus, Grafana, PostgreSQL, Docker*

- Designed a distributed API rate-limiting service using FastAPI and Redis to enforce configurable request quotas across clients and IP addresses
- Implemented Token Bucket and Sliding Window algorithms with atomic Redis operations to maintain consistent rate limits across concurrent requests and service instances
- Integrated PostgreSQL for persistent rate-limit policies and Prometheus/Grafana for monitoring request throughput, HTTP 429 rejections, and API latency

Real-Time Chat Application | *Express.js, MongoDB, React.js, Socket.io, JWT*

- Architected a full-stack messaging platform supporting direct and group chat channels with real-time bidirectional event delivery over Socket.io
- Implemented JWT session security, MongoDB document schemas for users and message histories, and Postman API test collections prior to frontend integration
- Handled real-time message events and connection lifecycle scenarios to maintain consistent communication between connected clients

Library Management System | *Python, Django, Django REST Framework, SQL*

- Created RESTful backend endpoints with user authentication and role-based CRUD operations for cataloging books, categories, and borrowing records in DRF
- Designed normalized relational SQL tables with foreign-key integrity constraints and configured media storage pipelines for book cover uploads
- Validated API inputs and enforced permission checks to support reliable data operations and prevent unauthorized access to protected endpoints

Technical Skills

Languages: JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3
Backend & APIs: Node.js, Express.js, Django, Django REST Framework (DRF), RESTful API Design, Socket.io, JWT Authentication
Frontend: React.js, Next.js, Tailwind CSS, Responsive Web Design
Databases & Caching: PostgreSQL, MongoDB, Redis, Relational & NoSQL Schema Modeling
Core CS & Developer Tools: Data Structures & Algorithms, Object-Oriented Programming (OOP), MVC Architecture, Git, GitHub, Postman, VS Code
Professional Skills: Code Review, Problem Solving, Communication, Collaboration