

# Anant Kumar Yadav – Backend & GenAI Engineer

## Professional Identity

Backend Engineer with 4–6 years of experience specializing in Node.js and Python (FastAPI). Strong focus on building production-grade distributed systems, Generative AI platforms, agentic workflows, and blockchain-integrated backends. Known for converting complex ideas into scalable, secure, and maintainable systems.

## Core Technical Strengths

- 1 Backend Engineering: Node.js, Python, FastAPI, Express, NestJS, async systems
- 2 GenAI & LLMs: OpenAI Assistants, tool calling, RAG pipelines, multi-agent orchestration
- 3 Data & Storage: MySQL, PostgreSQL, MongoDB, Redis, Neo4j, Qdrant
- 4 Architecture: Microservices, event-driven systems, distributed backends
- 5 Cloud & DevOps: AWS, Docker, CI/CD pipelines, background job processing
- 6 Blockchain: ERC-3643 tokenization, USDC flows, compliance-aware smart contracts

## Career Experience Summary

### Senior Backend Engineer – W3villa Technology (Aug 2023 – Present)

Designed and delivered distributed backend platforms involving Generative AI, blockchain systems, document processing pipelines, and agent-based automation. Led development of production APIs, async job systems, secure auth flows, and high-performance data layers.

### Software Engineer – Tout and Own Pvt Ltd (Feb 2021 – Jul 2023)

Built scalable backend platforms for consumer, gaming, and social products. Worked on database optimization, admin panels, cloud infrastructure, and performance-focused APIs.

## Flagship Projects

- 1 **ATOM – Real Estate Tokenization Platform:** Built a regulated fractional real estate investment platform using microservices on Base L2. Implemented ERC-3643 contracts, KYC/AML onboarding, USDC funding, automated compliance workflows, and async processing pipelines.
- 2 **Ruv AI – Agentic AI Platform:** Implemented multi-agent orchestration using Open Interpreter, Neo4j knowledge graphs, semantic routing, and validator/miner communication for autonomous AI workflows.
- 3 **Tech Translate:** Built a multilingual PDF translation system with OCR, vision-based text detection, secure role-based access, and scalable cloud storage.
- 4 **Super One & Cachy:** Delivered high-throughput backend systems, graph-based data modeling, Redis caching, admin panels, and monetization features.

## Achievements & Leadership

- 1 Led internal Generative AI training sessions for engineering teams
- 2 Awarded Best Team of the Year 2024 at W3villa for Ruv AI contributions
- 3 Conducted internal workshops on Node.js, Redis, and backend best practices

## **Education**

Master of Computer Applications (MCA) – Integral University, Lucknow (2025 – Present)

Bachelor of Computer Applications (BCA) – DDU Gorakhpur University (2016 – 2019)