

AMAN TIWARI

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SUMMARY

Agentic AI Developer skilled in building **multi-architecture agents**, retrieval-augmented pipelines, and autonomous orchestration systems. Experienced with context management, reasoning agents, and scalable backend platforms. Strong problem solver with expertise in integrating LLMs, tool-use, and memory-driven workflows into production-ready applications.

CORE STRENGTHS

Problem Solving Analytical Thinking Time Management

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Python
Agentic AI	LangChain, LangGraph, LlamaIndex, RAG, context management, tool-using agents
AI Systems	Multi-agent orchestration, planning & reasoning agents, recommendation engines
Frontend	React.js, Next.js, Tailwind CSS
Backend	Node.js, Express.js, GraphQL, REST APIs, Socket.io
Databases	MongoDB, MySQL, Redis, Prisma ORM, Drizzle ORM
Cloud & DevOps	Cloudflare Workers, AWS, Docker, GitHub Actions, CI/CD

EXPERIENCE

Easemyexpo, Bangalore Mar 2025 – Sep 2025
Agentic AI / Full Stack Developer

- Built an **AI-powered lead generation platform** with autonomous enrichment agents using LLMs, context-aware pipelines, and multi-step planning.
- Orchestrated distributed agents on Node.js + Redis, enabling adaptive decision-making and reducing manual tasks by 50%.
- Deployed edge agents via Cloudflare Workers for real-time responses, improving latency by 25%.

Golden Rich Finance Pvt. Ltd. Oct 2024 – Jan 2025
Frontend Developer Intern

- Developed **25+ responsive pages** with Next.js 13 and TypeScript, increasing mobile engagement by 22%.
- Resolved **30+ frontend bugs** and improved error handling to reduce bug reports by 45%.
- Improved load speed by 35% via optimized data fetching with React Query.
- Built advanced filtering & pagination features, improving session time by 18%.
- Contributed to cross-platform UI system and standardized **15+ reusable components**.

Talecto Pvt. Ltd. Apr 2024 – May 2024
Backend Developer Intern

- Built REST APIs with Redis caching and MongoDB indexing, achieving sub-200ms response times.
- Designed robust error-handling & guardrails—later repurposed in autonomous pipelines for safety and reliability.

PROJECTS

Breadcrumb-MCP – Context Management Server 2025

- Developed an **MCP (Model Context Protocol) server** for managing conversation breadcrumbs with semantic search powered by LlamaIndex.

- Implemented **local JSON-based persistence** to reliably store and retrieve context across sessions.
- Engineered multi-modal retrieval, including recent, semantic, and global search over session histories.
- Added user preference management and analytics for personalized context handling and usage insights.

Convex-121Chats – Multi-Agent Orchestration

2025

- Designed a real-time chat platform where **multiple AI agents** collaborate with users for dynamic problem solving.
- Integrated **Convex backend, React, and Socket.io** to enable low-latency multi-agent communication.
- Implemented agent orchestration logic to ensure context sharing, turn-taking, and consensus-driven responses.
- Enhanced scalability by optimizing message streams and session state management for concurrent users.

E-Commerce AI Recommendations

2025

- Built an intelligent recommendation engine using **embeddings + similarity search** for personalized product ranking.
- Implemented retrieval-augmented pipelines to dynamically recommend products based on historical and behavioral data.
- Improved recommendation accuracy by integrating semantic similarity and hybrid scoring techniques.
- Deployed as a modular service that can integrate with existing e-commerce backends via API.

Cryptonium – Agent Utility Library

2025

- Published a secure TypeScript hashing utility (**100+ weekly downloads**) for agent data integrity and pipeline verification.
- Implemented **SHA-256, HMAC, and salting mechanisms** to prevent tampering and ensure cryptographic security.
- Designed the package with developer-first ergonomics: lightweight, tree-shakable, and framework-agnostic.
- Released as an open-source NPM library with CI/CD pipelines for automated testing and versioned publishing.

EDUCATION

Indraprastha Engineering College
B.Tech in Information Technology

2021 – 2025
Ghaziabad, UP