

Ajay Raghav

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WORK EXPERIENCE

Forminos

Fullstack Developer

May 2026 - Present

- Build AI content pipelines in Flask using RAG, semantic retrieval, and OpenAI APIs for context-aware content generation.
- Develop automated LLM evaluation pipelines using RAGAs and OpenAI Evals to benchmark retrieval quality, factuality, and prompt regressions across 100+ evaluation cases.
- Optimize backend inference using embedding caching, response caching, and asynchronous processing, reducing end-to-end latency by about 30%.

Colledger Labs

Fullstack Developer | Intern

January 2024 - May 2024

- Built React.js and Web3.js frontends enabling wallet authentication, transaction visualization, and smart contract interactions across 3 blockchain networks.
- Developed 30+ reusable React UI components for blockchain dashboards including wallet management, transaction history, token balances, and gas fee estimation.

PROJECTS

Postgit | <https://postgit.com>

- Built Postgit, a platform that transforms GitHub commit history into publish-ready social media posts (X, LinkedIn), automating content creation for developers.
- Built a Redis-backed asynchronous job queue (RQ) to offload LLM generation from request handling, reducing API latency from 5–15 s to under 50 ms.
- Designed a multi-stage content scoring pipeline that filters low-value commits before LLM inference, reducing API calls by about 30%.

Docminos | <https://docminos.com>

- Built Docminos, a platform that generates publication-quality, institution-formatted reports (DOCX) from a title and context — automating structured document drafting end-to-end.
- Engineered a custom prompt-orchestration pipeline replacing LangChain with direct OpenAI API calls, reducing external dependencies to a single SDK while keeping generation efficient at ~22 API calls per report.

SKILLS

- **Programming Languages:** Python, JavaScript, C++
- **Backend Technologies:** Flask, FastAPI, Node.js, Express.js, REST APIs
- **Frontend Technologies:** React.js, Next.js, HTML5, CSS3, Shadcn/UI, MagicUI
- **Data Technologies:** PostgreSQL, MongoDB, Redis, SQLAlchemy, Mongoose
- **AI Application Development:** OpenAI API, RAG, Semantic Retrieval, Vector Embeddings, Prompt Engineering, Model Context Protocol (MCP), LangChain, LangGraph, Vector Database (pgvector)
- **Cloud Infrastructure:** Docker, AWS (EC2, RDS, S3, ElastiCache), Nginx, Gunicorn
- **Version Control:** Git, GitHub

EDUCATION

Chandigarh University | Mohali

2022-2026

Bachelors of Technology | Computer Science | 7.9 CGPA