LLM

- Docker
- LLM Integrations
- Hardware What to Buy

Docker

On this page we describe what you need to run an LLM at home i.e self host it on your own hardware at home ;) Yes that means that you won't be providing all you search queries to

Google is losing lots of money

1. It is at a time where it serves up more queries than ever before
2. Each query is more expensive than ever before
3. Earns less money per query than in its entire history of search.

This is a huge problem for a company like Google, so why do they continue producing this ? It will only make the company less valuable.

LLM Integrations

This page describes how a local LLM can be used as an implementation in other open source applications. For instance you could have your LLM integrated in a notes application s.t it can make summaries of your notes, make quick presentations of your notes, or tag notes automatically by topic. This is just one example but you can imagine that this is useful for almost any application.

qwen3.5:4b

LLM Applications Across Different Sectors

Here's a comprehensive list of applications where Large Language Models are being integrated to enhance functionality:

□□ Healthcare & Medical

- **DoctorAI / HealthifyMe** – Clinical documentation, patient triage, and treatment plan assistance
- **Ada Health** – Symptom checker with natural language input for medical history
- **MediPal** – Automated clinical notes from voice recordings
- **CureSense AI** – Drug interaction analysis and personalized dosage recommendations

□□ Finance & Financial Services

- **Investment Advisor Platforms** – Personalized financial advice generation, portfolio analysis
- **Tax Preparation Apps** – Document understanding for tax forms, refund calculations

- **Banking Chatbots** – Customer service queries, transaction explanations, fraud detection assistance
- **Credit Risk Assessment** – Loan application processing with natural language document analysis

□□ Customer Service & Business Support

- **Zendesk AI / Intercom Bot** – Intelligent chatbots handling customer inquiries
- **ServiceNow Automation** – Ticket routing, automated responses, knowledge base queries
- **HelpScout Live Chat** – Real-time support with context-aware responses
- **NICE CXone** – Voice assistant for call center operations

⚖ Legal & Law Firms

- **Relativity AI** – E-discovery and document review automation
- **Kira Systems** – Contract analysis and clause identification
- **Casetext / COGO** – Legal research, case prediction, precedent matching
- **LawGeex** – Contract compliance screening

□□ Education & E-Learning

- **Duolingo AI** – Language learning with conversation practice
- **Khanmigo** – Tutoring assistant for personalized learning paths
- **Socratic Tutor** – Homework help through natural language queries
- **Course Builder Platforms** – Automated content creation and quiz generation

□□ Retail & E-commerce

- **Shopify AI Assistant** – Product recommendations, customer query handling
- **Amazon Echo/Alexa for Shopping** – Voice shopping with personalized suggestions
- **WooCommerce Plugins** – Chatbot integration for order processing
- **eBay AI Shopper** – Smart product recommendations based on browsing behavior

□□□ Human Resources & Recruitment

- **HireVue** – Resume screening and video interview analysis
- **Workday AI** – Job description generation, candidate matching
- **Greenhouse** – Interview scheduling, employee engagement insights
- **Bolt** – Chatbot for internal HR support

□□ Content Creation & Media

- **Medium Editors** – Content optimization, writing suggestions
- **Juro AI** – Fact-checking and content verification
- **WordPress Plugins** – SEO-friendly content generation
- **Twitter/X Assistants** – Tweet drafting, engagement prediction
- **Hootsuite AI** – Social media post creation and scheduling

□□ Marketing & Advertising

- **HubSpot AI Copywriter** – Campaign copy generation
- **Grammarly for Business** – Content proofreading with style suggestions
- **Adweek AI Tools** – Audience segmentation insights, campaign optimization
- **Mailchimp AI Writer** – Email newsletter creation and personalization

□□ Software Development

- **GitHub Copilot** – Code generation from natural language descriptions
- **Replit AI Assistant** – IDE with code completion and debugging suggestions
- **Vercel Bot** – Documentation and deployment assistance
- **Codex** – Programming task automation and error detection
- **JetBrains Rider** – Intelligent code refactoring suggestions

□□ Productivity & Work Tools

- **Notion AI** – Document summarization, task breakdown
- **Zoom AI** – Meeting notes generation, summary creation
- **Grammarly Premium** – Grammar checking with writing suggestions
- **Slackbot** – Message moderation and workflow automation
- **Trello Power-ups** – Project planning assistance

□□ Key Features Across All Sectors:

1. **Natural Language Understanding (NLU)** – Conversational interfaces
2. **Document Processing** – PDF, Word, Excel parsing
3. **Sentiment Analysis** – Customer feedback and tone detection
4. **Predictive Analytics** – Forecasting based on input data
5. **Auto-generation** – Content creation from simple prompts
6. **Translation Services** – Real-time cross-language support
7. **Summarization** – Long text reduction to key points
8. **Q&A Systems** – Information retrieval from databases

The LLM integration has become essential across industries, enabling more efficient workflows and better user experiences through conversational interfaces. Many applications now use LLMs to provide context-aware assistance that traditional rule-based systems cannot match.

Hardware What to Buy

Source: https://www.youtube.com/watch?v=h8dxm7UEStQ