Technical Stack & Toolkit | GOVIND

1. Development Environment & Coding Tools

IDE: Personalized extension of Visual Studio Code (VS Code).

Human Code Editor: Cursor (for Human-Paired Code Editing).

Version Control: Git & GitHub (CI/CD using GitHub Actions).

Containerization: Docker and Kubernetes.

API Testing using Postman & Insomnia.

2. Web Frameworks

Frontend Technologies & Framework:

- **React.js,**

Front End:

- **Front-end:**

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Backend:

Node.js (with Express), FastAPI

Execute:

Bun & Deno.

3. AI/ML Frameworks

DeepLearning:

-PyT

Libraries: Scikit-learn library,

Model Hubs: HuggingFace Transformers (diffusers, tokenizers

Software

Computer Vision: OpenCV

4. Agentic AI Tools

Orchestration:

Multi-Agent Systems: CrewAI, AutoGen (Microsoft),

Automation Tool: Zapier (AI Actions), n8n

5. LLM Platforms

Proprietary Models: Google Gemini API (1.5 Pro/Flash), OpenAI API (GPT-4o), Anthropic

Local/Open Source: Ollama (runs Llama 3, Mistral), Groq (for low

Fine-tuning: Axolotl

6. AI Tools Frequently Used

Coding Assistant: GitHub Copilot, Supermaven

Research & Search: Perplexity AI.

Content/Chat: Gemini Advanced, Chat GPT

Image Generation: Midjourney, Flux

7. Cloud Platforms Leading service providers:

Google Cloud Platform (GCP), AWS (Lambda, S3, EC2 Deployment: The project uses Vercel (Front Databases: Supabase. Function hosting: Sup 8. Databases Relational (SQL): PostgreSQL (Sup MongoDB, Redis (for caching purposes). Vector Database:

(Vector Database for RAG):

Pinecone