

Krishna Prasad – Tech Stack

Submission for #cl-ai-techstack | Powered by Ilmora

Tools I've Used in Real Projects and Product Development

Development Environment & Coding Tools

- Visual Studio Code – Primary code editor for all development
 - Xcode – macOS-based development, system-level tools
 - Git & GitHub – Version control and code collaboration
 - Wokwi – Online simulator for embedded systems (e.g., ESP32)
 - Google Colab – Cloud-based Python and ML experimentation
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Web Frameworks & UI Tools

- HTML, CSS, JavaScript – Frontend core technologies
 - React – Library for building interactive user interfaces
 - Electron – Framework for cross-platform desktop applications
 - Tailwind CSS – Utility-first CSS framework for fast UI design
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AI / ML Frameworks

- OpenCV – Computer vision and image processing

- YOLO – Real-time object detection
 - TensorFlow – Deep learning model development
 - Pandas and NumPy – Data manipulation and numerical computing
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LLM Platforms

No agentic AI tools currently in use

- ChatGPT (OpenAI) – For development, research, and automation
 - Claude AI – AI assistant for reasoning and creative tasks
 - Hugging Face – Model repository and API platform
 - Grok – Used for experimentation and testing
 - Gemini – Used for research and AI workflow design
 - DeepSeek – Open-source LLM experimentation
 - Google AI Studio (Flow) – Prompt workflows and app prototyping
 - Perplexity AI – Research and retrieval-augmented generation
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Cloud Platforms

- Firebase – Backend services, authentication, and real-time DB
 - Vercel – Deployment platform for frontend and full-stack apps
 - Netlify – Hosting and automation for web apps
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Databases

- MySQL – Structured relational database
 - SQLite – Embedded local database
 - MongoDB – NoSQL database for flexible, document-based storage
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