

Grabez – A Visual Flow-Based Builder for Intelligent Systems and Learning Pipelines

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Abstract:

Nobody drops hard-coding in the industry today. Applying AI assistants and tools to finish our code, projects and tasks is the reality of today's tech world. This dancing method is referred to as the Vibe Code. This is what vibe coding is all about and it does focus on program synthesis, which enables the construction of algorithms, models for learning and applications without having to write programs from scratch. Agents, chatbots, models etc. are made by simply dragging the blocks and connecting them to each other; and you can even see their code and change it (and download the wireframe) or use it as a template for your own project.

In this lesson, you are going to play around a playground built with ReactFlow and add or drop different blocks of code for specific tasks (AI/ML apps) like building a house step-by-step. The main purpose of this project is to be a tool for students and researchers to learn with ease about the flow of models, algorithms, and applications both visually and technically. This application is extended to support next-level advanced tasks which may involve deep learning or pipeline operations and also provides an extension that allows users to make use of it in any IDE they are comfortable with.

