



NEXUS A.I

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Abstract



Web Application

A web application for discovering AI tools.



Search Function

Search by keyword or task.



Results Categorized

Results categorized as Free or Paid.



Hosting Ready

Built for academic demo, now ready for hosting.

Problem Statement



Scattered Tools

AI tools are difficult to find, causing frustration for users seeking solutions.



Time Wasted

Users spend excessive time searching for AI tools instead of utilizing them effectively.



Centralized Solution

The need for a simple, centralized platform for all AI tools is evident.

Objectives

- **Centralized AI**

Centralized AI directory.

- **Free vs Paid**

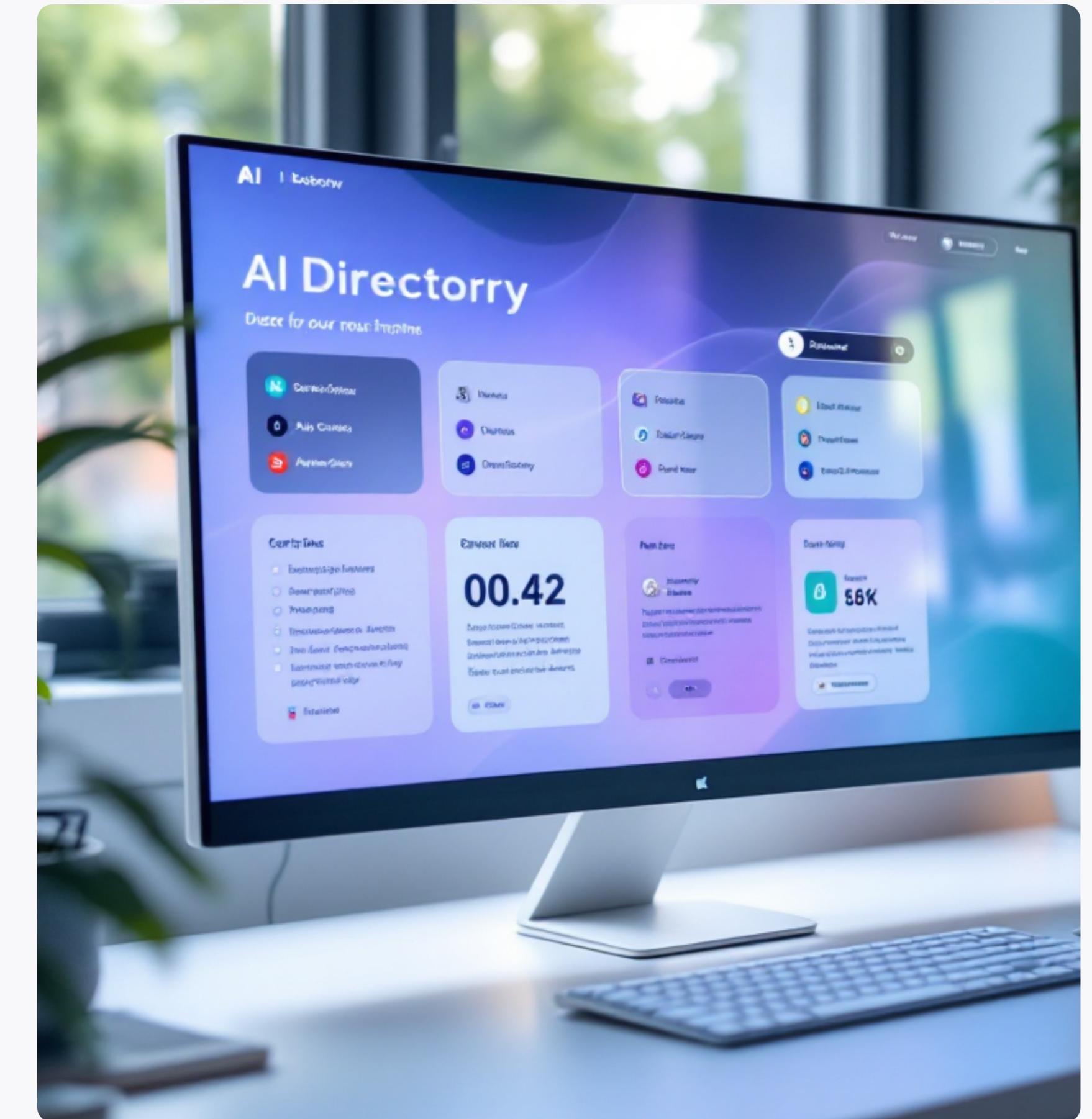
Free vs Paid categorization.

- **Responsive**

Responsive, user-friendly interface.

- **Admin panel**

Admin panel for CRUD operations.



Scope & Limitations



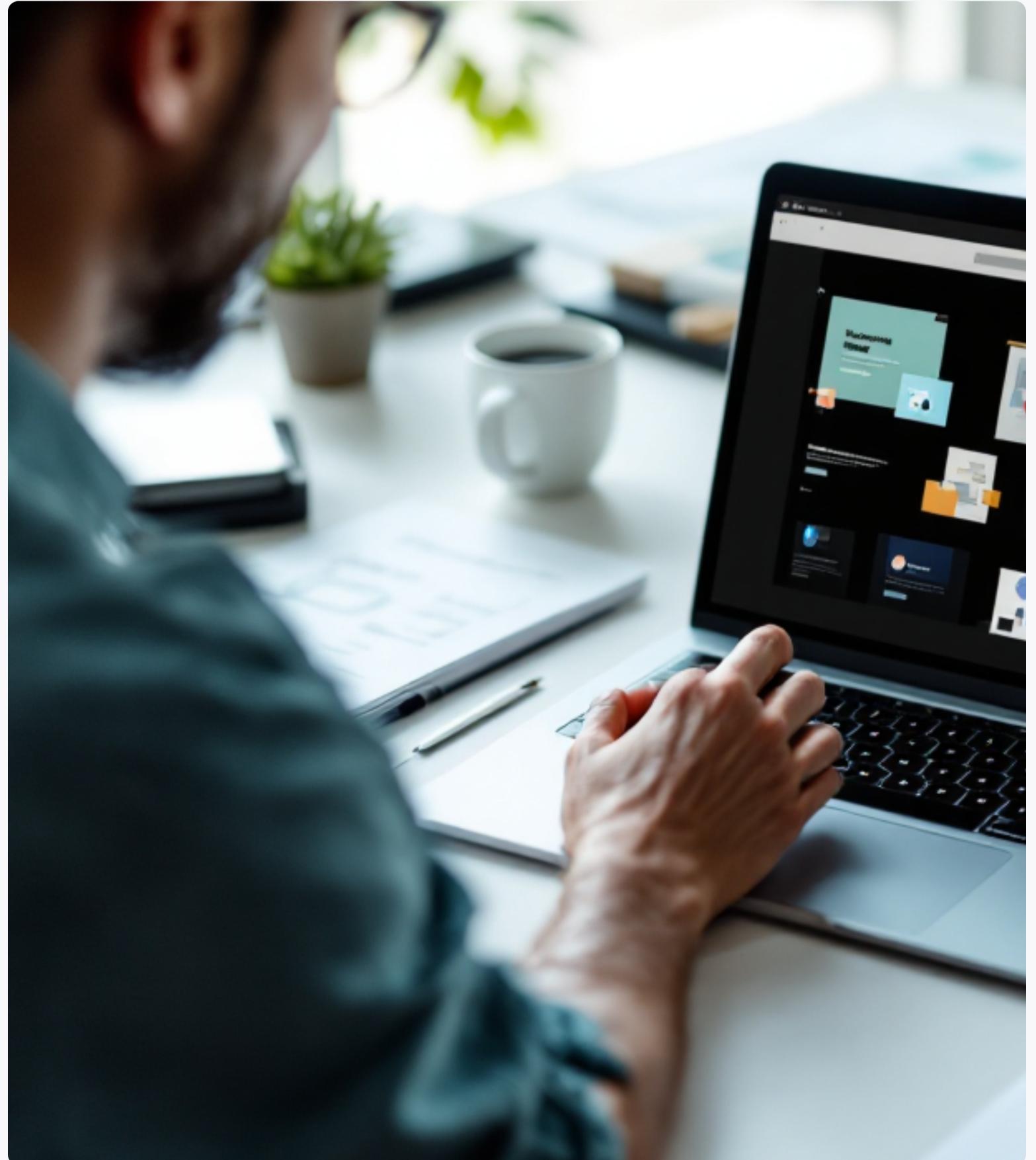
Project Scope

Online-ready, secure, responsive design outlined for this project.

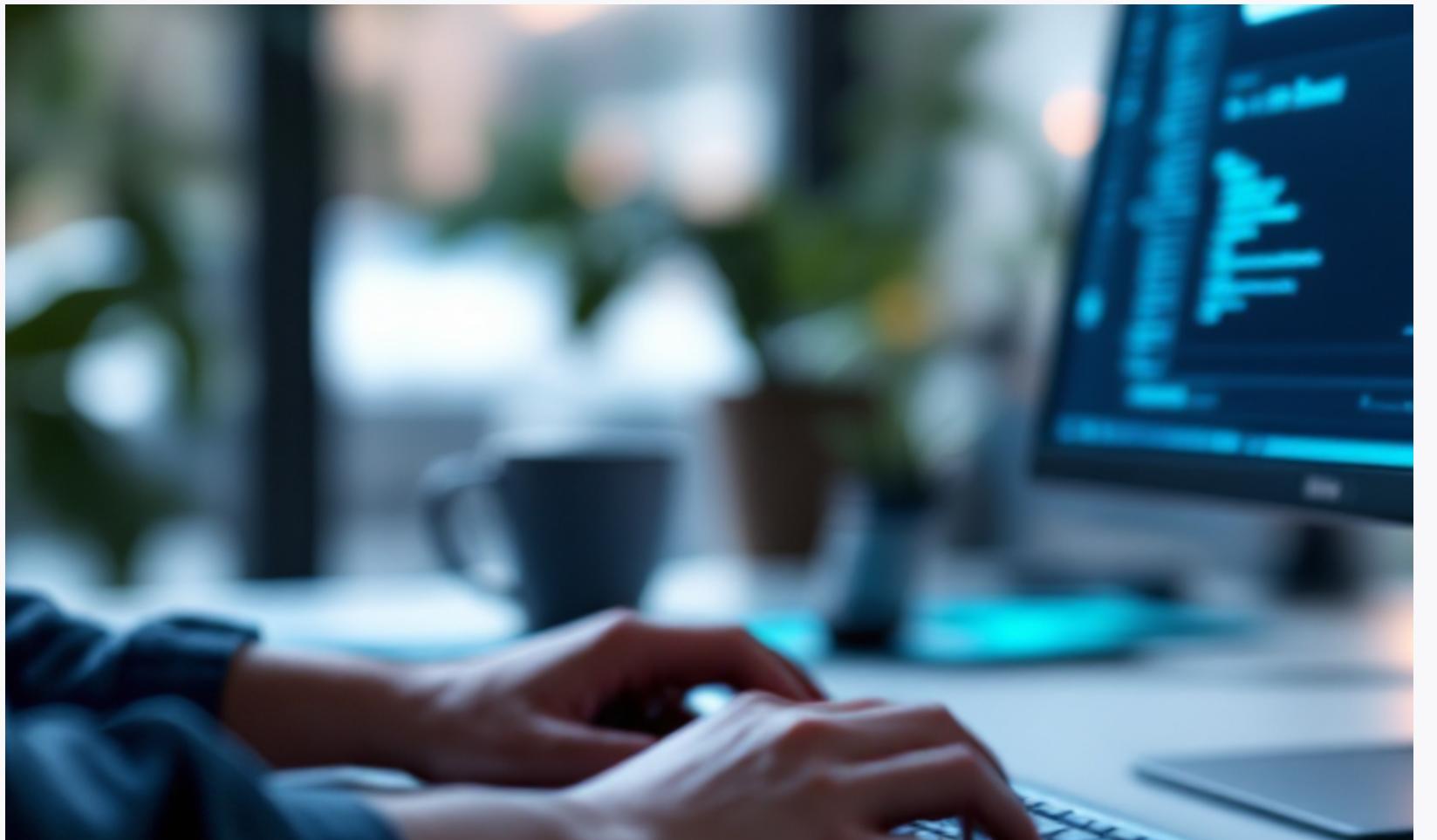


Out of Scope

Payments and mobile app are excluded from the current project.



System Overview



User Query Process

Illustration of user query leading to database search and results display.



User Roles

Visual representation of two user roles: General user and Admin.

Modules



UI & Navigation

Manage user interface elements and streamline navigation for better usability.



Search & Query

Enable efficient searching and querying of data across the platform.



Categorization

Organize content and tools into logical groups for easier access.



Tool Catalogue

Browse, select, and manage available tools within the platform catalogue.



Admin Panel

Central hub for administrators to configure settings and manage users.



Feedback

Collect user feedback and suggestions to improve platform functionality.



Analytics

Monitor user activity and performance with detailed analytics and reports.



Backup & Restore

Safeguard and recover data using backup and restore functionalities.

System Design



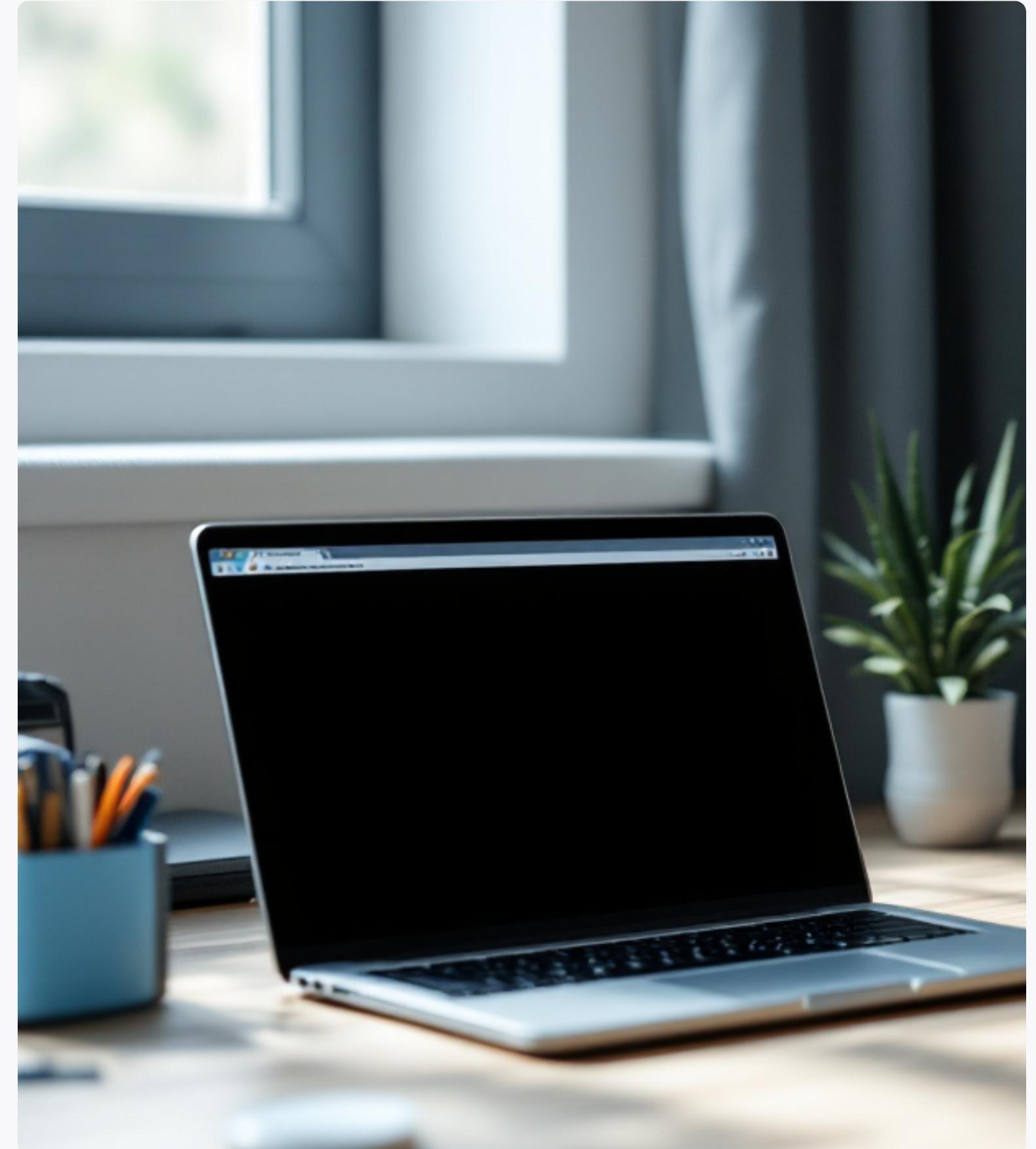
Architecture Flow

Illustrates the interaction between browser, server, and database.



ER Model Overview

Highlights key entities: Tool, Category, Tag, Admin, Feedback.



Why AI Use Is Increasing

The use of AI is growing worldwide because of automation and smart solutions. People now rely on AI for education, business, content creation, and coding. Every year, more industries adopt AI to improve speed and accuracy. The demand for AI tools continues to rise as they simplify daily tasks. That's why we built this website — to provide a unified AI workspace for everyone.



Popular AI Tools



ChatGPT

Conversational AI for generating text, answering questions, and language tasks.



Google Gemini

Advanced AI model from Google for search, reasoning, and creative tasks.



DALL·E

AI tool for generating images from text descriptions and creative prompts.



Midjourney

AI platform creating stunning, artistic images based on user prompts.



Notion AI

AI assistant enhancing productivity with writing, brainstorming, and organization features.



GitHub Copilot

AI-powered code completion and suggestions for developers in real time.



GrammarlyGO

AI writing assistant offering grammar, tone, and style suggestions instantly.



Jasper AI

AI tool for creating marketing content, blogs, and copywriting efficiently.



Canva Magic Studio

AI-powered design tools for creating graphics, presentations, and social media posts.



Synthesia

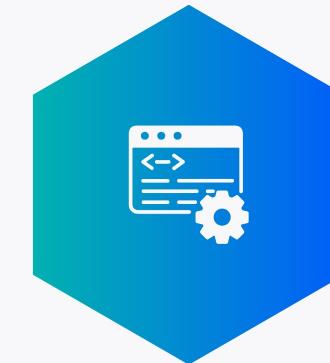
AI video platform creating professional videos from text input automatically.

Technology Stack



Frontend Technologies

HTML5, CSS3, React, and JavaScript
for user interface design.



Backend Technology

PYTHON, and Node.js for server-side
application logic and functionality.



Database System

MongoDB for data storage and
management solutions.



Hosting Options

AWS/Firebase ready for scalable
application deployment.

Implementation Plan

Q1 2024

Offline Build Phase

Initial development of the project.

Q2 2024

Hosting Online Phase

Deployment of the project online.

Q3 2024

Feedback and Upgrades

Gathering user insights for improvements.

Testing & Outcomes

Functional and non-functional testing.



Expected: fast, reliable, scalable tool discovery.

Tools should be fast, reliable, and scalable for discovery.



Functional and non-functional testing.

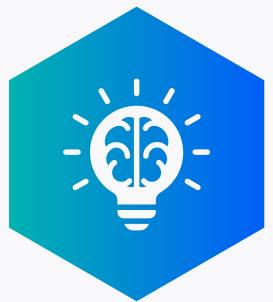
Assessing both functional and non-functional aspects of tools.

How AI Tools Are Useful in Our Daily Life



Writing and Learning

AI tools help in writing, learning, and communication (ChatGPT, Grammarly).



Creativity and Design

They support creativity and design (Canva, DALL·E, Midjourney).



Productivity and Organization

They boost productivity and organization (Notion AI, Jasper).



Coding Assistance

They assist in coding and problem-solving (GitHub Copilot).



Research and Access

They make research and information access faster (Gemini, Perplexity AI).

Future Scope



Personalized Recommendations

AI-based personalized recommendations enhance user engagement and satisfaction.



User Accounts

User accounts with favorites allow for a tailored experience and easy access.



Mobile App

Mobile app / PWA offers flexibility and accessibility for users on-the-go.



Monetization Options

Explore various monetization options to generate revenue from the platform.



Global Accessibility

NEXUS A.I simplifies AI discovery and ensures global accessibility for all users.

Thank you for your valuable time and attention!

