



digitalldesign

CASE STUDY



digitalldesign.com.au

info@digitalldesign.com.au

+61 415 0410 73



“WHATEVER YOU CAN IMAGINE
WE CAN ACHIEVE IT DIGITALLY”

At digitalldesign, our team comprises highly skilled developers who are specialized in cutting-edge AI, dynamic app development, and innovative software creation. We're passionate about bringing projects to life, from inception to successful completion.

Within this document, you'll find selected case studies that vividly demonstrate the depth of our expertise and knowledge. These case studies serve as compelling evidence of some of the mastery and profound understanding possessed by our professionals in their respective fields.

Each case study illustrates our unwavering commitment to excellence, by showcasing how we leverage our technical and strategic insights to overcome challenges and deliver these exceptional results. Whether it's pioneering AI solutions or crafting intuitive applications, our work reflects our dedication to pushing the boundaries of innovation.

At digitalldesign, we exceed expectations with professional manner. We are always ready to tackle even the most complex project and transform them into opportunities for growth, advancement and success. Count on us to be your partner in innovation and shaping the future of technology together.

Generative AI for LifeSciences

Generative AI for LifeSciences Natural Language powered documentation generation in “Medical Writing”

Issue

Pharmaceutical companies face the challenge of conducting clinical trials for newly invented drugs, it requires participants to sign the Informed Consent forms. However, crafting these forms consumes 100s of hours to write. It is written by professional Medical Writers and is prone to human error.

For over a decade, our client has been offering Medical Writing Services tailored to the pharmaceutical companies. With a seasoned team of 30+ experienced Medical Writers, they specialize in crafting Informed Consent forms and various other Medical Narratives for their clientele.

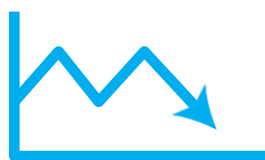
Resolution

Our team has developed Generative AI models capable of producing Informed Consent Forms with remarkable accuracy, nearly rivalling human capabilities. The primary obstacle was to ensure the AI did not produce inaccurate information, a common pitfall in typical Generative AI processes.

Through extensive testing, the AI has demonstrated its ability to even rectify errors made by human writers. Encouraged by these results, the client is currently assessing the AI's performance in real-world settings, aiming to streamline their Medical Writing process. Early indications suggest a reduction of the ICF document writing timeline from 1-2 months to less than a week.

Reduced manual errors

85%



“New Human” accuracy

92%



AI Virtual Assistant (FAQ Chatbot)

AI Powered FAQ Chatbot for Non-Voice Customer Support

Problem

With each passing day, there is a workload on customer support teams that continues to mount. They are inundated with hundreds of emails and phone calls, all seeking information about the company's products and solutions.

Delivering immediate assistance and manually addressing every query while adhering to service level agreements (SLAs) has become an arduous task for the support staff. In an effort to alleviate this burden, they deployed a bot powered by the Microsoft BotFramework, but unfortunately this strategy failed to meet their expectations.

Challenge

The company invests tens of thousands of dollars monthly, in call centre and customer support operations. However, the Microsoft bot previously employed proved inadequate in addressing all inquiries effectively, as it relied solely on keyword-based responses.

Additionally, the manual task of updating the bot with new articles posed a cumbersome burden on the support team, detracting from their efficiency.

Solution

The team implemented the TalkingDB ('No-code' platform), a user-friendly platform driven by AI Chatbot technology, to effectively address inquiries pertaining to the company's HR Solutions and HRMS functionalities.

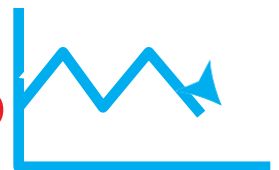
This innovative solution comprises various elements, notably a web crawler designed to gather information and data from the Company's HelpCentre portal, seamlessly integrating it into our Vector Database for enhanced accessibility and efficiency.

Result

The results were truly remarkable. The company experienced a significant rise in customer queries resolved by the AI Chatbot, marking an impressive increase of over 30%. Concurrently, they achieved an outstanding 150% reduction in support costs. These accomplishments underscore Company's dedication to delivering exceptional customer support and enhancing efficiency in their HRMS services, exceeding industry standards by a wide margin.

Reduced customer support cost by

30%



Guaranteed availability

24/7
365



Sypheon Multiplayer Strategy Gamewith Blockchain

Category: Crypto Trading, Multiplayer Game, Web application, Blockchain

Project

This project encompasses the creation of a multiplayer strategy game centered around constructing assets and leveraging various formulas within API implementation.

The backend, powered by Django, delivers APIs to a React JS frontend, ensuring complete responsiveness and fortified authentication measures. The project also integrates SMTP for

streamlined communication and encompasses various user roles. We meticulously designed and developed the project from inception to deployment, and continue to provide ongoing maintenance. Additionally, it encompasses the management of crypto assets and wallets for facilitating the buying and selling of products using web3 technology.



OTC STOCKS

Category: Python / Django / Machine Learning / RestfulAPIs / Statistics / Data Analysis / Prediction Engine /Postgre SQL

This project focuses on delivering real-time signals and notifications via an interactive web application, bolstered by predictive engines. It entails a sophisticated development architecture comprising diverse components such as Python-based backend, Django for frontend, and Restful APIs.

Data aggregation from various platforms, coupled with meticulous processing and analysis, underpins the generation of signals derived from a range of mathematical and statistical models.

Furthermore, prediction engines employing ensemble learning, a fusion of multiple machine learning and deep learning models, are integral to the project's framework. The web application offers an engaging dashboard replete with multifaceted features, with signal generation and notifications forming the cornerstone functionalities.



Stocks Real-Time Signals

Last Updated On	Symbol	Company	Price	Calculated Value	Market Cap	Outstanding Shares	Authorized Shares	Market	TA Verified Date	Agent Verified	Profile Verified
March 29, 2023, 4 a.m.	TRCK	Track Group, Inc.	0.39	1,674,400	4,980,435	11,863,758	30,000,000	OTCQX U.S.	2023-02-21	✓	✓
March 29, 2023, 4 a.m.	INLB	Iron 9 Labs Corp.	0.11	5,726,400	10,676,847	99,780,432	2,000,000,000	OTCQX U.S.	2023-03-01	✓	✓
March 29, 2023, 4 a.m.	TETAA	Teem Advisors Inc.	17.5	18,200	22,879,630	1,313,076	5,100,000	OTCQX U.S.	2023-02-21	✓	✓
March 29, 2023, 4 a.m.	BLPK	BLUEHARBOR BANK (INC)	16.25	122,100	48,081,020	2,908,832	20,000,000	OTCQX U.S.	2023-03-28	✓	✓
March 29, 2023, 4 a.m.	EDVR	ENDAVOR BANCORP	10.6	131,400	35,986,544	3,394,907	20,000,000	OTCQX U.S.	2023-03-27	✓	✓
March 29, 2023, 4 a.m.	UNTC	UNIT CORP	41.96	5,113,013	403,486,291	8,416,242	25,000,000	OTCQX U.S.	2023-02-21	✓	✓
March 29, 2023, 4 a.m.	IBTN	InfCorp, Inc.	25.5	336,600	89,427,646	2,864,369	3,900,000	OTCQX U.S.	2023-03-27	✓	✓
March 29, 2023, 4 a.m.	BSFO	Bank of San Francisco	23.4	372,066	48,980,843	2,069,754	10,000,000	OTCQX U.S.	2023-03-27	✓	✓
March 29, 2023, 4 a.m.	HCBC	High Country Bancorp, Inc.	34.0	66,300	33,158,148	1,912,680	3,000,000	OTCQX U.S.	2023-03-28	✓	✓

Custom Signals & Predictions

Case Study 4

Crypto Analyzer (Multiple Crypto Nodesdeployment)

Category: Crypto Trading, Multiplayer Game, Web application, Blockchain

In the ever-evolving landscape of cryptocurrency trading, it was crafted a potent toolset to arm traders with the competitive advantage essential for success. It delves into the capabilities and advantages of an innovative Python Django web application designed to redefine trading dynamics.

By seamlessly blending Python Django, PostgreSQL, and GoLang, the web application empowers traders with real-time insights, tailor-made alerts, and streamlined data processing.

This pioneering solution is reshaping trading tactics and propelling users toward greater achievements in the cryptocurrency sphere.

Real-Time Data Insights for Informed Decision

This helps to stay updated on market trends with the live data insights delivered by our Python Django web application. Harnessing state-of-the-art technologies like PostgreSQL and GoLang, the platform fetches and analyzes live market data, furnishing traders with instant updates on coin pairs, contract specifics, and price variations. Armed with this knowledge, traders can make well-informed choices and capitalize swiftly on profitable opportunities.

Customizable Triggers and Alerts

The Crypto Analyzer web app offers an extensive toolkit for tailoring triggers and alerts to suit individual trading strategies. Users can effortlessly establish thresholds based on their preferred criteria, whether it's price shifts, trading volumes, or specific contract occurrences. Once these thresholds are met, the platform dispatches real-time alerts via popular messaging platforms like Telegram and Discord. This ensures traders stay connected to the market and respond promptly to favorable conditions, maximizing their profit potential.

Multi-Node Support for Comprehensive Market Coverage

By harnessing the capabilities of numerous nodes spanning various cryptocurrency networks, this web application provides traders with a comprehensive overview of the market terrain. Whether it involves Ethereum, BSC, Polygon, Arbitrum, or other networks, our platform accesses a diverse range of nodes to gather contract particulars and real-time price data.

This extensive market coverage enables traders to delve into a broad array of coins and investment opportunities, facilitating the cultivation of diversified portfolios and the reduction of risks.

Crypto Analyzer

Dashboard (Insights)



Crypto Analyzer

Live Stats of Coin Pair



Crypto Analyzer

Custom Coins Analysis



Crypto Analyzer

Real-Time Signals

