Alltegrio

Generative AI Expertise

Service Offering

About Our Company

Our team uses innovation and collaboration, that serves as a trusted technology partner for businesses in any field around the globe. With an expert team boasting skills across various domains, we are dedicated to delivering innovative and effective software solutions to meet your business' unique needs. Don't miss out on the opportunity to transform your business with AI and ML. Reach out to Alltegrio today.

12
years on the market

350+
employees on the board

3 offices
USA, Poland, Ukraine

53%
YOY revenue growth

Our Services

At Alltegrio, we offer our generative AI services to help businesses use data and artificial intelligence to drive growth and innovative solutions. Our team supports your business processes and new products

AI Strategy Consulting

Our AI Strategy Consulting Services help discover the potential of your business data assets. We provide expert guidance and support for your business processes, starting from strategy development, implementation to optimization

Big Data Consulting Services

Our expert team helps you use big data to drive strategic decision-making and optimize your workflow. We develop a comprehensive data strategy and roadmap tailored to your business objectives.

AI Development Services

We help transform your ideas with our AI Development Services. Our skilled developers create custom AI solutions, from advanced algorithms to intelligent applications

ChatGPT Development Services

We create advanced conversational AI solutions that deliver human-like interactions and understand complex queries. Our ChatGPT applications can be integrated into various platforms, enhancing your communication interactions.

Chat-Bot Development Services

Our experts can enhance customer engagement with Chatbot Development Services. We design and build intelligent chatbots that provide seamless customer service, automate routine tasks, and effectively address your customers' needs.

Machine Learning Development Services

Our team develops machine learning models that provide automation, predictive analytics, and data-driven decision-making. We tailor our solutions to unique challenges to maximize efficiency.

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Generative AI Use Cases

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Text Generation

[Writing intelligible natural language text in response to a prompt]

- Create artificial NLP training data;
- Task-driven or open-ended Talking with AI;
- Compile and analyze unstructured text; provide prompts by referencing templates and context;
- Consider the context and your preferences while writing and replying to emails.

Text Summarization & Creative Writing

[Create creative ideas, viewpoints, and writing, as well as condense large papers]

- Condense one or more papers;
- Reduce Code;
- Make a list of the contents and papers in bullet points;
- Provide fresh viewpoints, answers, and ideas on a subject.

Style Translation:

[Modifying the tone, level of formality or detail, or genre of a given text to change its writing style]

- Ads taken from the product description;
- Rewrite text in a different author's or person's voice;
- Converter of third-person, plural, and generalization;
- Adjust wording to suit various personas or individuals.

Q&A

[Responding to inquiries from the corporate knowledge base, such as Dr. Koogle]

- Response to inquiries / Q&A (non-computational);
- Contact Center Agent Support that accelerates Dictionary search for Customer Service & Agent Training;
- Discovery (new insights from research);
- Developing a language-companion chatbot.

Generative AI Use Cases

Text Translation:

[Translating text from one language to another. Change the writing style, format etc.]

- Natural language for coding, guidance, and inquiring;
- Translation into a foreign language;
- Translation of source code across programming languages;
- Annotation and text-to-command;
- Explanation of code in plain English and technical documentation.

Customized Text Messages:

[Adapt responses, findings, and suggestions based on the user's preferences, profile, interactions history]

- Consumer Service: Tailor the content and tone of chatbot messages to the consumer (e.g., formal with step-by-step instructions for senior citizens);
- Call Center Agent Assistance: Tailor information retrieval to a particular customer interaction.

Sentiment Analysis:

[Determine the text's emotional tone or conveyed viewpoint]

- Tailored Customer Service Assistance;
- Dynamic market research based on social media, tweets, and other data mining to gather feedback and feedback on the product launch;
- Analysis of AB Test Results.

Reporting on Operations and Finances:

[Create reports according to information source]

- Gather, examine, and draw conclusions from data collection;
- Provide reports;
- Examine, simulate, and forecast anomalies;
- Intelligent data-driven insights and automatic notifications.

Case Studies

Healthcare AI/ML SAAS Solution

NDA — PROJECT UNDER NDA

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OVERVIEW

- This product has a distinct advantage because it gives a thorough picture of customers' needs. It uses the power of Machine Learning-generated insights to produce blogs that are both comprehensive and succinct, as well as compelling and concise marketing data.

- Businesses may create industry-neutral content on this product and obtain insightful data to improve their marketing tactics on one platform.

APPROACH

- Using generative artificial intelligence (AI), we have built a digital platform from the ground up that generates automated content for various industries.

- This project is an AI/ML SaaS product specifically designed for the healthcare sector. It streamlines and expedites the process of creating contextual material for blogging and digital marketing, revolutionizing the industry

OUTCOME

- The project's product is a feature-rich platform that uses artificial intelligence (AI) to produce automated content independent of industry. Value-added services like tone analysis, reading level evaluation, plagiarism detection, and SEO optimization are available.

- Users can receive topic recommendations from contextual medical databases and SEO searches by entering their inquiries. Additionally, they can submit PDF files or URLs to extract succinct information. This user-friendly platform enables the creation of pertinent, optimized, and customized material.

Technology details: Embeddings and Prompt Engineering, Automated Content Generation, OpenAI API, Python flask, React, Keycloak, Content Scraping and cleaning

Extractive Search for Medical Provider

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OVERVIEW

- A potential client, a medical provider, was searching for an application that would reduce the time strategists spend on research by streamlining and expediting the search for a drug's approved indications across publicly accessible sites.

- A proof of concept consisting of an extractive search engine for gathering and extracting data about medical drugs was created by our team.

- The group took advantage of Azure's OpenAI large language model and the search engine accelerator "GenAxl."

APPROACH

- Our team created the "GenAxl" search engine accelerator using AI.

- We connect with the knowledge database, install the Azure OpenAI large language model, and build a pipeline using the search engine accelerator "GenAxl." This pipeline receives user requests and compiles information into a format similar to what a human would provide.

- We built connectivity with the Azure Open AI model, deployed to a secure environment, and connected to the database using the GenAxl architecture.

- The team employed two public resources to gather medical drugs information: MedlinePlus and openFDA.

OUTCOME

- Based on the data gathered from public sources, the solution compiles the data and presents it in a way that is similar to human response following a predetermined template.

- Improved accuracy and context-driven search results are offered by this accelerator. These results can dynamically generate personalized content according to the user's purpose and preferences.

Technology details: Embeddings and Prompt Engineering, Automated Content Generation, OpenAI API, Python flask, React, Keycloak, Content Scraping and cleaning

Generative AI bot

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OVERVIEW

- The bot utilizes Generative AI to examine customer ticket input and extract valuable facts from historical records and product manuals.

- Subsequently, it produces proficient and beneficial answers, augmenting the effectiveness of client service activities.

- Support staff can rely on an intelligent and dependable resource to manage customer inquiries quickly and efficiently with this AI-powered bot.

Technology details: Embeddings and Prompt Engineering Azure OpenAI API, Azure machine learning, Python flask

APPROACH

- Our product is an AI-powered Q&A bot that uses Generative AI to answer customer problems in an expert manner. For internal support staff, such as customer service representatives, field technicians, and sales engineers, it acts as a first-line resource.

- Product manuals, CRM case ticket histories, customer data items, and other specific data are used to teach the bot. The thorough training makes it possible for the bot to provide prompt, accurate answers to consumer inquiries.

OUTCOME

- The objective of our initiative is to tackle the difficulties encountered by clients in offering assistance for our intricate range of products. The support process has been hindered by a lack of consolidated documentation and a reliance on subject matter experts. The integration of our goods into a variety of physical locations makes troubleshooting even more difficult.

- Many issue complaints have to go through many support tiers, which leads to a lot of escalations, significant wait times, and lower customer satisfaction. In addition, handling these issues costs money in overhead and takes our engineers' focus away from using innovation to drive business growth and consumer value.

Sitecore Migration

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OVERVIEW

- The client has enlisted our help to handle the difficulties involved in moving their Sitecore old MVC application to the new Sitecore headless platform (Next.js). The goal is to automate the code conversion process by utilizing generative AI capabilities.

- The project is to create a utility tool that automates the code migration from the current ASP.NET frontend application to Next.js by utilizing the power of Generative AI. The migration procedure will be far more streamlined and need less manual labor thanks to its technology.

APPROACH

- The project involves conducting a Proof of Concept using OpenAI/OSS LLMs to develop a code migration utility tool. This tool is designed to facilitate the migration process of a Sitecore classic MVC application, written in ASP.NET, to Next.js.

- The client currently utilizes a Sitecore classic MVC application, a .NET-based CMS, to run their website. They have a vision to implement a headless architecture, with the front end powered by Next.js while retaining the current CMS for the backend.

OUTCOME

- In order to create a code migration utility tool, the project entails utilizing OpenAI/OSS LLMs for a Proof of Concept. This tool is intended to make the process of migrating an ASP.NET-based Sitecore traditional MVC application to Next.js easier.

- The client presently runs their website using a.NET-based content management system (CMS) called Sitecore classic MVC application. Their goal is to deploy a headless architecture, using Next.js to power the front end and the present CMS for the back end.

Technology details: Open AI Codex, Microsoft Azure OpenAI, OSS LLMs, Code Migration Utility, Sitecore, ASP.net MVC, React.js, Next.js