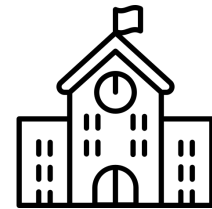# Talk To Data - AI Agent To Converse With Data

## The Customer

ASU Preparatory is a tuition-free college preparatory school that serves students in grades K-12 and it is based out of the United States. They are chartered by Arizona State University to help each student Prep for college.
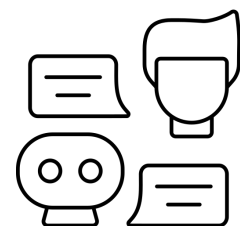
## The Challenge

The customer found it tough to figure out important information from files like spreadsheets and PDFs. It consumes a lot of time, and sometimes, opportunities were missed. It also required technical know-how and it took a lot of effort as well. Sometimes, ending up not being able to find data or derive insights from the information that is found.

## The Solution

We developed Talk To Data, a conversational interface running on top of customer's data. It works in the following ways-

- The Customer can ask questions in plain English, eliminating the need for complex queries or coding.
- It intelligently understands data structure and extracts relevant information based on user inquiries.
- It presents insights in clear and concise formats, including lists, markdowns, and text summaries.
- Seamless interaction with documents allows users to directly ask questions about the content in the file.
- It allows the sharing of insights and results among users.

## The Impact

- Reduced decision-making time by 50%, leading to a 15% increase in operational efficiency.
- Achieved a 30% reduction in dependency on tech staff, allowing for a self-sufficient data-driven environment.
- Democratise data access, and exploration accessible to everyone, regardless of technical expertise.

## Tech Stack

React, typescript, firebase, Axios, antd, Node Js, Langchain, PostgreSQL, Vertex AI, PaLM - 2

## About Us

DataSlush is a data & AI consulting and research company - providing Analytics, AI, Data Engineering services and solutions. At the frontier of knowledge in data analytics and Generative AI/LLM, we continuously push the boundaries of innovation to stay ahead of the curve. Our team of experts combines cutting-edge research with practical expertise to develop solutions that drive tangible results for our clients.

Our purpose is to **bring certainty and innovate for a better tomorrow**.

**50+**
Delighted Customers

**80+**
Projects Completed

**96%**
Net-Promoter Score

**20**
Subject-Matter Experts