# Problem

- Long articles are difficult to follow.
- Busy professionals lack time to stay updated.
- Reading small text strains the eyes.
- Individuals with visual impairments face challenges.
- Excess content often conveys little value.

Solution

- ByteTheNews converts lengthy news articles into concise summaries.
- ByteTheNews offers natural-sounding audio for convenient listening.

Key Features
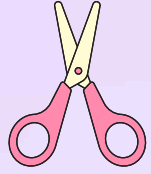
Article Scraper
Instantly condenses long news articles from your browser into clear, bite-sized summaries using the Newspaper Python package.

Text Summarizer
Utilises the Gemma2 API through Groq to transform lengthy text into concise, digestible summaries, making news easier to read.

Image Summarizer
Leverages OpenAI's API to detect and summarize visual content.

Content Analyzer (Shield)
Scans and notifies users when sensitive content is present, powered by ShieldGemma.

Audio Output
Transforms text summaries into natural-sounding audio, at varying speed.

Web Browser Extension
Seamlessly integrates into your browser with a user-friendly interface, allowing easy control to start, pause, or resume audio.

Market Scope
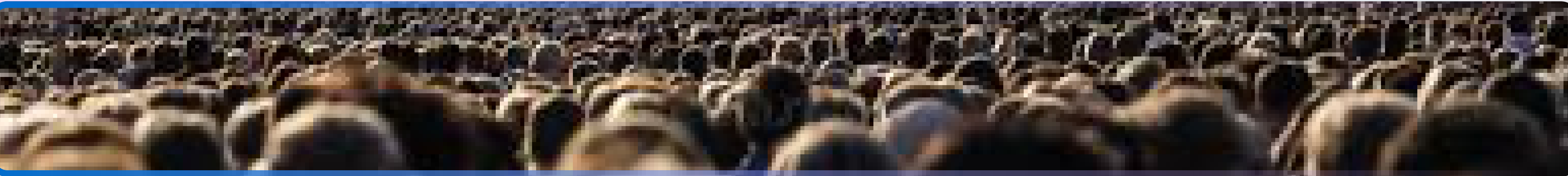
Target Customers

› 1 Billion/year

News:
- Busy Professionals
- Visually Impaired Individuals

Papers:
- Students and Researchers

Market Size

› £ 5 B/month

Freemium Model:
- Free tier with summaries and limited features.

Premium subscriptions
- £5/month for full access to audio, academic paper summary, content analysis, and customisation.
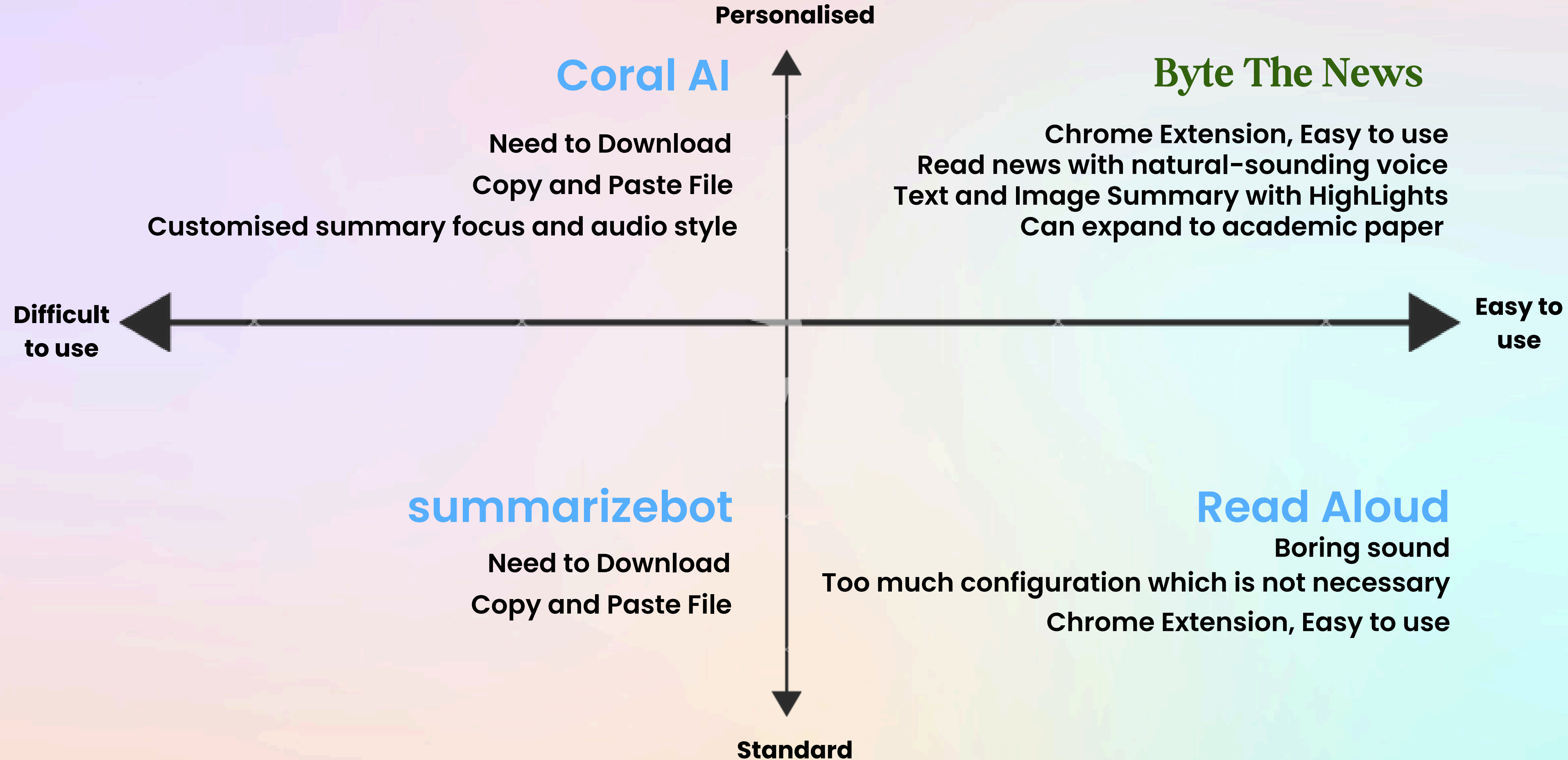
Predicted Revenue

£300 –£600 M

- If 0.5% of the 1 billion target users convert to premium: £300 million annual revenue.
- With 1% conversion: £600 million annual revenue.

Source: Online

Competitive Landscape

Personalised

Coral AI

Need to Download

Copy and Paste File

Customised summary focus and audio style

Byte The News

Chrome Extension, Easy to use
Read news with natural-sounding voice
Text and Image Summary with HighLights
Can expand to academic paper

Difficult to use ←——————————————→ **Easy to use**

summarizebot

Need to Download

Copy and Paste File

Read Aloud

Boring sound
Too much configuration which is not necessary
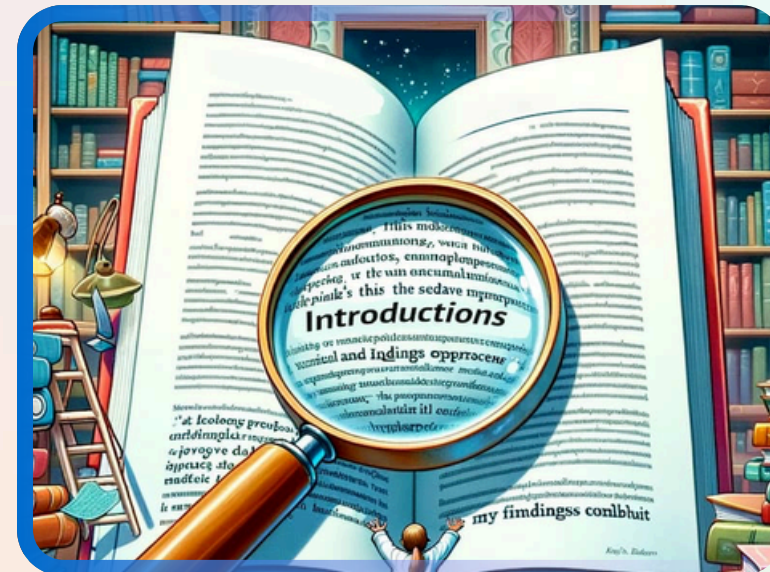**Chrome Extension, Easy to use**

Standard

Future Perspective

Integrate with

- Context Highlighter
- Academic Journal Summary
- Audio Question and Answer based on the browsing memory

Our Goal

To transform ByteTheNews into a one-stop platform for personalised, trustworthy, and accessible web information.

Impact on Society

- **Enhanced Accessibility:** Makes news and information accessible to visually impaired individuals and those with reading difficulties.

- **Promotes better health:** by offering a screen-free alternative to consuming content.

- **Informed Communities:** Empowers diverse audiences to stay informed efficiently, promoting a more knowledgeable society.

- **Promotes mindful news consumption:** by safeguarding individuals from exposure to potentially sensitive or distressing topics.
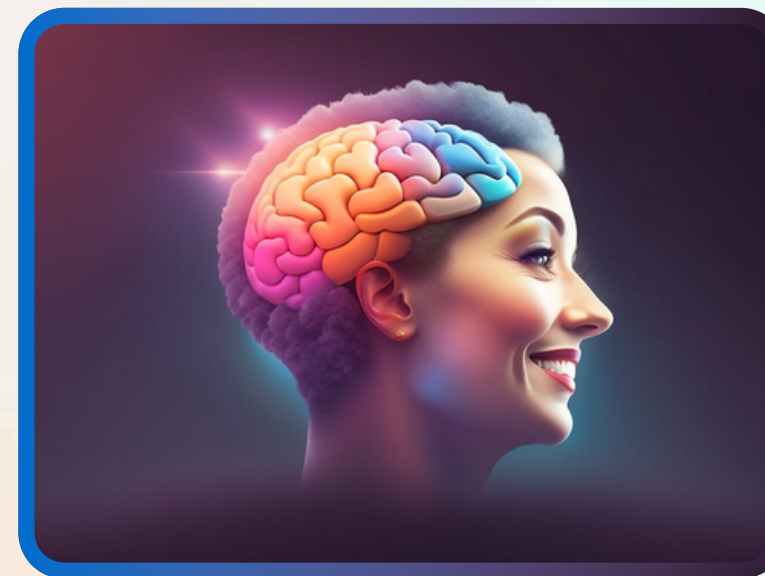
Thank You.
Thank You.
Thank You.

🌐 https://github.com/sophia172/ByteTheNews_Hackthon