

MASTER PITCH DECK

ASCLEPIOS

Human-Centered Digital Health

Prepared by

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Germany · European Union

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Title

ASCLEPIOS

Human-Centered Digital Health

A Privacy-First Digital Health Companion

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The Challenge

Healthcare systems around the world are facing increasing pressure.

People are living longer, chronic diseases are becoming more common and individuals are expected to manage more of their own health information.

At the same time, many digital health solutions remain difficult to use, rely heavily on cloud infrastructure or require extensive sharing of personal data.

Users increasingly seek digital tools that are trustworthy, understandable and respectful of their privacy.

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Our Vision

Technology should support people without replacing healthcare professionals.

ASCLEPIOS is based on a simple principle:

Technology with Humanity.

The project combines cybersecurity, responsible AI and human-centered design to create digital health technologies that are transparent, accessible and privacy-conscious.

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The Solution

ASCLEPIOS is a digital health companion designed to help users organize everyday health information in a calm, structured and privacy-focused environment.

The application emphasizes:

- Simplicity
- Accessibility
- Privacy
- Transparency
- Responsible Technology

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Core Principles

- Human-Centered Design
- Privacy by Design
- Offline-First Architecture
- Responsible Artificial Intelligence
- Digital Trust
- Accessibility

These principles guide every stage of development.

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Current Product

ASCLEPIOS Free

Current focus includes:

- Symptom organization
- Medication reminders
- Health history
- Trusted contacts
- Multi-language support
- Accessible interface
- Privacy-focused local data handling

The application is designed to support—not replace—professional medical care.

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Why ASCLEPIOS

ASCLEPIOS combines expertise from several disciplines:

- Cybersecurity
- Artificial Intelligence
- Privacy Engineering
- Digital Health
- Human-Computer Interaction
- Software Engineering

This interdisciplinary approach enables the development of trustworthy digital health technologies.

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Potential Impact

ASCLEPIOS aims to contribute to:

- Better health self-management
- Improved digital accessibility
- Increased user trust
- Responsible adoption of AI
- Privacy-conscious digital healthcare
- European & Swiss digital health market

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Collaboration Opportunities

We are seeking collaboration with:

- Accelerators
- Innovation Hubs
- Universities
- Research Institutes
- Hospitals
- Healthcare Organizations

- Public Authorities
- Foundations
- Industry Partners

Potential collaboration includes pilot projects, research partnerships and technology validation.

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Long-Term Vision

ASCLEPIOS represents the first public implementation of a broader research vision.

The long-term objective is to contribute to the development of trustworthy, human-centered digital technologies that combine cybersecurity, responsible AI and digital healthcare.

Current Stage:

- MVP completed
- Privacy-first & offline-first
- Seeking validation, pilots and strategic partnerships

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About the Researcher

Nikolaos Kutmanas

Cybersecurity Researcher

AI Ethicist

Engineer

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Research Areas:

- Cybersecurity
- Responsible AI
- Privacy by Design
- Human-Centered Digital Health
- Digital Trust

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Thank You

ASCLEPIOS

Human-Centered Digital Health

Technology with Humanity

Contact:

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