

IEEE
TECHNOLOGY
Summit. 2026



AI Founder Showcase



October
1st



Budapest,
Hungary



SOKRATES.AI
plataforma socrática de conhecimento

Sokrates.AI: From Content to Meaning

Claudio Dipolitto, D.Sc
Geraldo Xexéo, D.Sc.
Luiz Catanhede

Sokrates.AI
LINE/PESC/COPPE/UFRJ
InoveLab Innovation Atelier



Founders of Sokrates.AI



Claudio Dipolitto, D.Sc.
CEO & Innovation Lead



Geraldo Xexéo, D.Sc.
Principal Researcher



Luiz Catanhede
CTO & Tech Lead



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ETHICAL AI

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Everyone knows Nina. A great high school student...
The promise of a bright future.

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But at university, she felt invisible,
lost in crowded classrooms, with
no guidance on how to study.

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ETHICAL AI

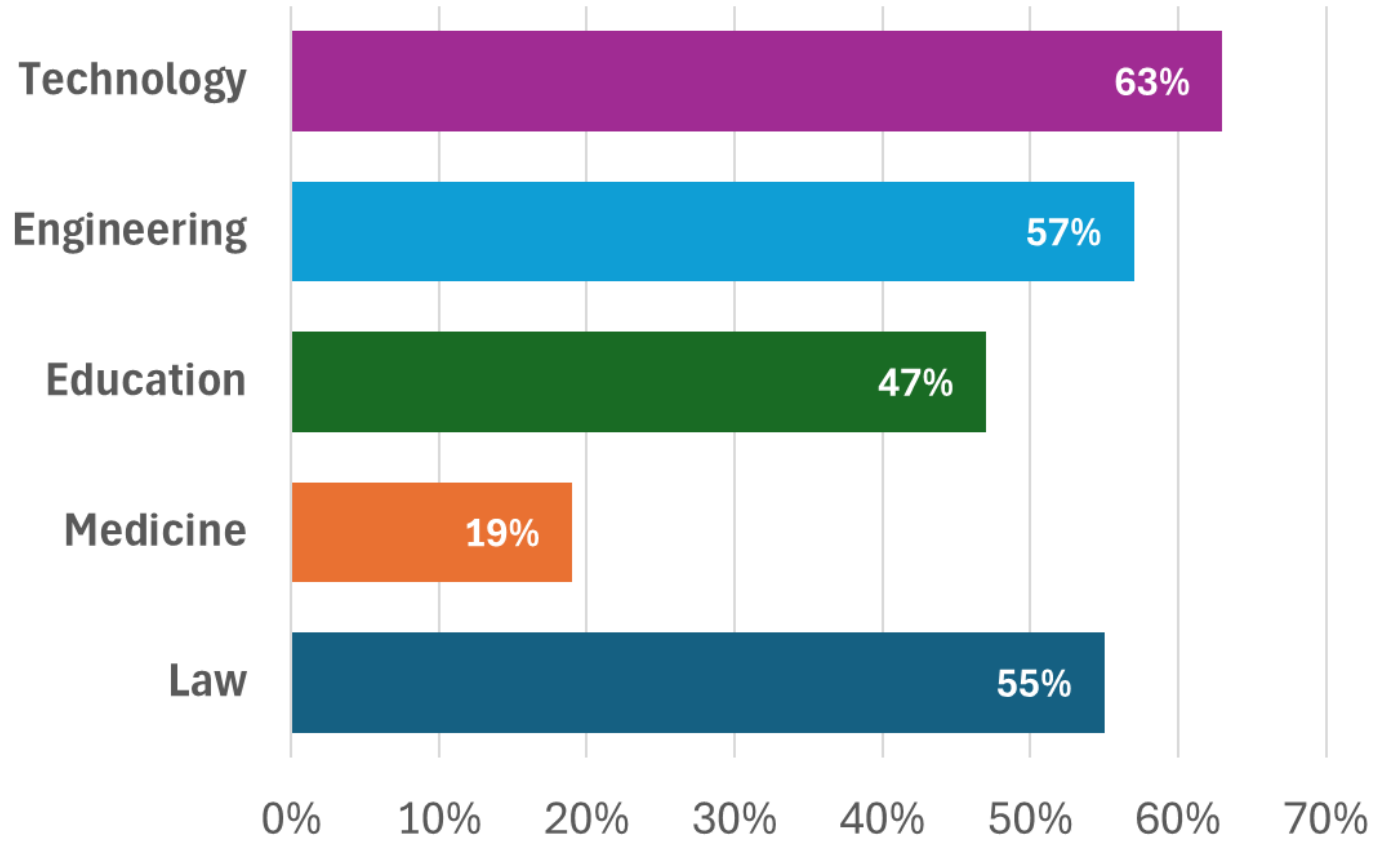
AI Founder Showcase



Actually, Nina is not alone...
There are many Ninas and Ninos in our universities



Dropout Rate in Higher Education by Field



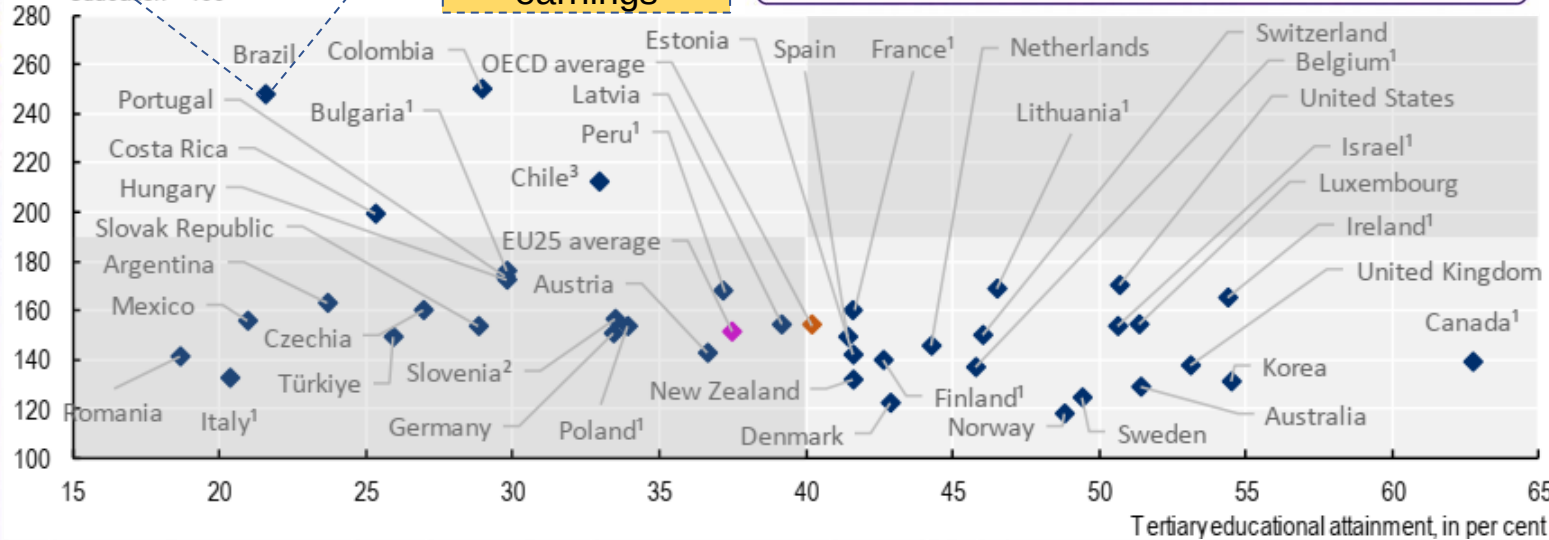
Source: Higher Education Census. Semesp/INEP, Ministry of Education, Brazil

Higher Education in Brazil: High Value, Limited Access

Only 20.5% with
tertiary degrees

148% higher
earnings

Tertiary-educated workers'
earnings, upper secondary
education = 100



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Low completion rates stem from mismatched expectations, inadequate preparation, limited academic and social support, and financial barriers.
(OECD - Education at a Glance 2025)



**Nina finds in
Sokrates the
mentor who leads
her to reflect
AND THRIVE**



As a Socratic AI, Sokrates.AI does not provide ready-made answers.
It provokes reflection and structures an active learning journey.



Hi, Nina

Account

Conversations

Settings

Log out

Commands

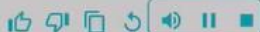
Subject: Artificial Intelligence



00:14:30

Sokrates.ai

I understand your concern. Balancing domain understanding and the quality of training data is crucial for the success of an application based on Large Scale Language Models (LLMs). Both aspects are interdependent and equally important. Domain understanding ensures that the model understands and generates responses that are relevant and appropriate to the specific context. Without a solid domain understanding, the model may generate irrelevant or incorrect responses. On the other hand, the quality of training data is fundamental for the model to learn effectively. Poorly labeled, irrelevant, or low-quality data can lead to undesirable results and reduce the effectiveness of the model. Therefore, it is essential that developers of LLM-based applications dedicate time and effort to ensure that both aspects are well balanced. This may involve collaborating with domain experts to ensure accurate understanding and the collection and preparation of high-quality data. Do you have any other questions or specific topics you would like to discuss?



Learn more

Socratic Conversation



Enter your message...



Study plan

Change the subject

Chat files



Study Plan

Study Plan

Activities

- Video: "Designing User-Friendly AI Applications" by UI/UX Expert

Exercises:

- Design a simple user interface for an AI application
- Discuss the challenges and solutions in integration and usability in a group

7. Ethics and Transparency - 1 week

Subtopics:

- Ethical considerations in AI
- Ensuring transparency in AI decision-making

Resources:

- Book: "Ethics of Artificial Intelligence" by AI Ethicist
- Article: "Transparency in AI: Why It Matters" by AI Advocate

Exercises:

- Write a report on the ethical considerations in a chosen AI application
- Discuss the importance of transparency in AI decision-making in a group

Suggested Schedule

- Week 1-2: Introduction to AI and LLMs
- Week 3-4: Domain Understanding
- Week 5-6: Data Quality and Preparation
- Week 7-8: Effective Prompts
- Week 9-10: User Feedback and Iteration
- Week 11: Integration and Usability
- Week 12: Ethics and Transparency

Display/Work Area



Hi, Nina

Account

Conversations

Settings

Log out

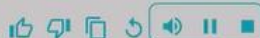
Subject: Artificial Intelligence



00:17:00

sokrates.ai

I understand your concern. Balancing domain understanding and the quality of training data is crucial for the success of an application based on Large Scale Language Models (LLMs). Both aspects are interdependent and equally important. Domain understanding ensures that the model understands and generates responses that are relevant and appropriate to the specific context. Without a solid domain understanding, the model may generate irrelevant or incorrect responses. On the other hand, the quality of training data is fundamental for the model to learn effectively. Poorly labeled, irrelevant, or low-quality data can lead to undesirable results and reduce the effectiveness of the model. Therefore, it is essential that developers of LLM-based applications dedicate time and effort to ensure that both aspects are well balanced. This may involve collaborating with domain experts to ensure accurate understanding and the collection and preparation of high-quality data. Do you have any other questions or specific topics you would like to discuss?



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Enter your message...



Yes/No

Association

Study plan



Yes or no

Study Plan

Activities

Yes/No Exercises



In the development of AI applications using LLMs, do you believe that the primary focus should be on enhancing the model's technical capabilities rather than addressing potential societal impacts and ethical concerns?

Your answer is incorrect. The statement poses a question about whether the primary focus in AI development using LLMs should be on technical capabilities over societal impacts and ethical concerns. The correct response, 'no,' indicates disagreement with the idea that technical enhancements should take precedence over ethical and societal considerations. It emphasizes the importance of a balanced approach that considers both technical advancements and their broader

Yes

No

Next



Hi, Nina

Account

Conversations

Settings

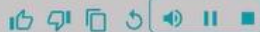
Log out

Subject: Artificial Intelligence

00:00:54



I understand your concern. Balancing domain understanding and the quality of training data is crucial for the success of an application based on Large Scale Language Models (LLMs). Both aspects are interdependent and equally important. Domain understanding ensures that the model understands and generates responses that are relevant and appropriate to the specific context. Without a solid domain understanding, the model may generate irrelevant or incorrect responses. On the other hand, the quality of training data is fundamental for the model to learn effectively. Poorly labeled, irrelevant, or low-quality data can lead to undesirable results and reduce the effectiveness of the model. Therefore, it is essential that developers of LLM-based applications dedicate time and effort to ensure that both aspects are well balanced. This may involve collaborating with domain experts to ensure accurate understanding and the collection and preparation of high-quality data. Do you have any other questions or specific topics you would like to discuss?



▶ Learn more



Enter your message...



Quiz

Study Plan

Activities

Quizzes

In the context of developing AI applications using Large Language Models (LLMs), which of the following strategies is most effective for enhancing the model's understanding of a specific domain?

A resposta correta é o item c. Você selecionou o item a. Keep trying! The correct strategy for enhancing the model's understanding of a specific domain is 'c'. This option probably refers to a method that involves adapting the model to the nuances and specifics of the domain in question, such as through specialized training datasets or the integration of expert knowledge. It's important to explore how models can be tailored to perform better in specific contexts.

a. Incorporating a diverse range of unrelated domains into the training data to broaden the model's general

b. Focusing the training data exclusively on the specific domain to ensure the model's responses are highly relevant and

c. Using a hybrid approach that combines general knowledge with domain-specific data, supplemented by

d. Relying solely on pre-trained models without any domain-specific fine-tuning, assuming the model's general

Next

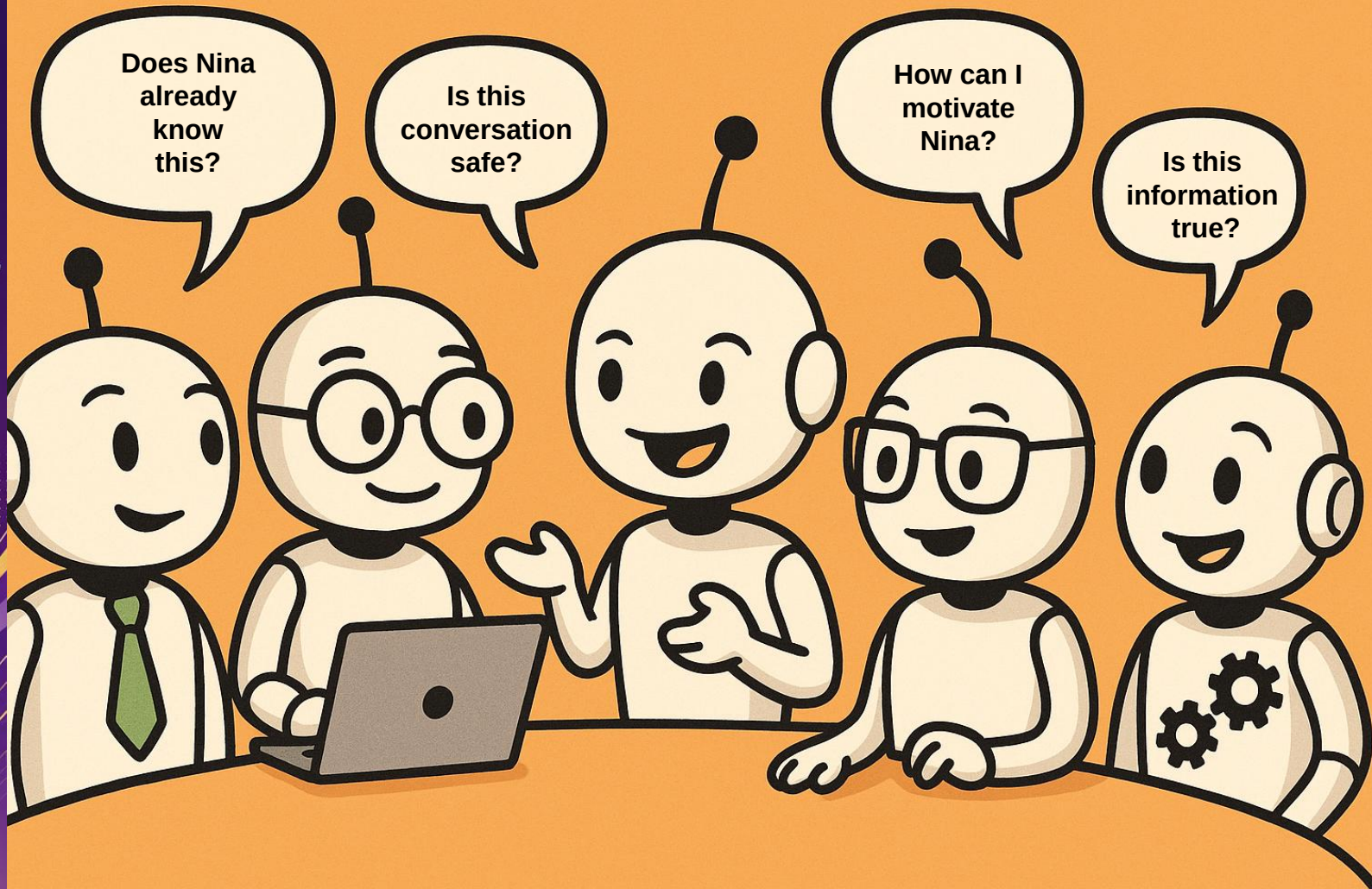
The learner can practice and receive feedback in their **active learning journey**.

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SUSTAINABLE DEVELOPMENT GOALS



Poverty Eradication

Social Inclusion



Join us to improve higher-education through
an *accessible and scalable Socratic mentoring platform*.



- ✓ **Fully Functional MVP and an Agentic Solution**
- ✓ **Tests in 10+ Universities**
- ✓ **PoC + adoption by RNP's School of Networks**
- ✓ **B2B and B2C Business Model**
- ✓ **Raised US\$125K from RNP**

Claudio Dipolitto
CEO & Innovation Leader

Geraldo Xexéo
Principal Researcher

PURPOSE
IDEAS
USER STORIES
IMPACT!!

Claudia Susie
Innovation Assistant

INNOVATE
COLLABORATE
DISRUPT

Luiz Catanhede
CTO & Dev Leader

Débora Santos
Full-stack Developer

Vitória de Almeida
UX/UI Developer

Gabriele Iwashima
Back-end Developer

Thomas C. de Miranda
Developer & QA



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**AI Founder
Showcase**

**IEEE AI Pioneer Summit
1st Place Award
Brazil | 2025**



**IEEE Entrepreneurship Ambassador's Program
1st Place Award
Region 9 LATAM | 2025**





LET'S BUILD THIS TOGETHER

What we're looking for

The opportunity: grow responsible AI in education with the right European partners
— **sustainably, not artificially.**

1

European Partner in Education & Philosophy

To apply Sokrates.AI in real classrooms and validate Socratic mentoring in Education.

2

European Funding & Grants

Access to Erasmus+ and Horizon Europe programs to fund research and deployment.

3

Mission-Aligned Investors

Investors who back sustainable, organic growth — not artificial scale.

Success = Sokrates.AI validated in real classrooms and growing sustainably
— from content to meaning. **Join Nina's Journey.**

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Join us in
promoting learning
that transforms lives.

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