

International Women's Day Global Hackathon 2022

Summary Report



Our Partners:

Capgemini

Sage



Table of Contents

- Vision & Overview
- Impact in Action
- 3 IWD 2022 highlights
- In the spotlight
- **Hear it from...**
- **6** Thank you note
- 7 <u>Join us</u>





1

VISION & OVERVIEW



Our Vision

We believe in harnessing technology to create a fair world where everyone has equal opportunity to maximise their potential.

An overview

SUMMARY NOTE

According to the World Economic Forum, women hold only 26 percent of data and AI positions in the workforce.

Data shows that diverse companies are more productive, innovative and profitable. The importance of diversity in AI has also been well-documented: to create an effective AI system, teams should be as diverse as the communities whose lives their technology will impact.

This year's International Women's Day theme #BreakTheBias emphasised the need for gender equality.

We were invited to envisage a future in which men and women are treated equally; a world devoid of prejudice, stereotyping, and discrimination; a world that is diverse, equitable, and inclusive; a world in which diversity is valued and respected.

The International Women's Day 2022 campaign took place in 16 countries across the globe, where young participants, of which more than 60% were female, learnt about artificial intelligence in as many as 10 languages. Over 130 entries have been submitted, each addressing one of the three UN Sustainable Development Goals.

It has been a privilege to lead on this campaign and witness the confidence of each student grow with every passing day. **Their** enthusiasm for learning infectious, and it fills me with an incredible sense of optimism for the future of the planet. I cannot express how thankful I am to everyone who participated in this effort and helped make it success that it has been: our speakers, ambassadors and lead organisers, my team and sponsors who made 2022's campaign one to remember.

> Elena Sinel Founder, Teens in Al

OUR PLATINUM PARTNERS

Capgemini

Our motivation to join Teens in AI as a global partner is to be a game-changer in our industry, by participating actively in AI education for young people aged 11-19. Capgemini is fully engaged in increasing diversity and digital inclusion in the tech area, further we aim to contribute to more diversity of minds in AI field and prevent all types of bias.

Sage

Sage's vision and values are aligned with those of Teens in AI, in their own words "We look to use technology for social good and adopt a learning mindset, drawing on a diversity of views, experiences and backgrounds."

PARTICIPATING COUNTRIES

The AI field has a "diversity crisis". Women represent less than 22% of the AI workforce. They make up only 10% of AI research staff at some of the biggest tech companies, and the picture is grimmer for people of colour. We need a push towards a more inclusive, more responsible, and more equitable technology and this is exactly what we are aiming to achieve with our annual campaigns.

18 Locations



16 countries

Tackling Real Problems Inspired by UN SDGs



At Teens in AI we aim to inspire social innovators who are driven to make a difference in their communities and the world. The following United Nations Sustainable Development Goals are the focus of this year's campaign.



How Might We...

Improve disease prevention, awareness and access to healthcare?

Minimise the death rate in children and young people from preventable diseases?

Improve the development, training and retention of the health workforce in developing countries?

Improve children's reading proficiency level?

Increase the supply of qualified teachers via teacher training in developing countries?

Eliminate gender disparities in education?

Ensure equal access to all levels of education for the vulnerable?

Tackle violence against and exploitation of women and girls?

Drive equal rights and access to financial resources for women?

Use tech to reduce domestic violence and support female victims?

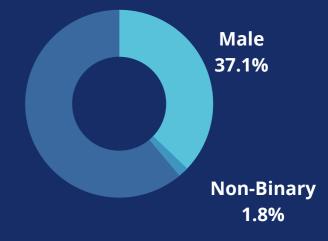
IMPACT IN ACTION

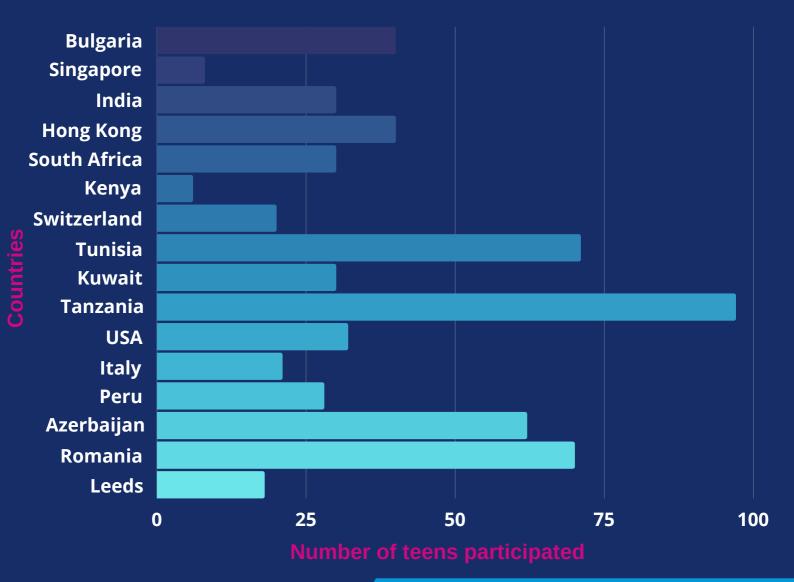


IMPACT IN ACTION

660 Teens







130 Guest Speakers

131 Projects

Impact in Action

94%

Female Lead Organisers 4.3

Out of 5 program rating given by participants

61%

Female Participants

95%

Of teens stated they would participate again

IMPACT STATISTICS

Whilst aiming to get young people interested in careers in tech and AI, our programs help them understand the different stages of product development, from ideation to implementation, too.

However, we want that increased spark in interest to continue beyond teens participation in our events!

22.5%

Average increased interest in related topics

30%

Enhanced interest in learning Design Thinking

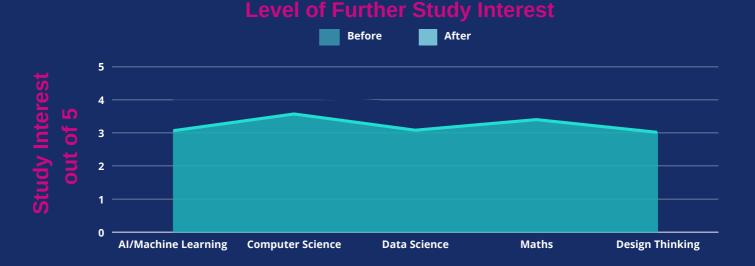
IMPACT ON FUTURE CAREER

Interest in studying related areas increased by 22.5% on average after participating in our hackathons.

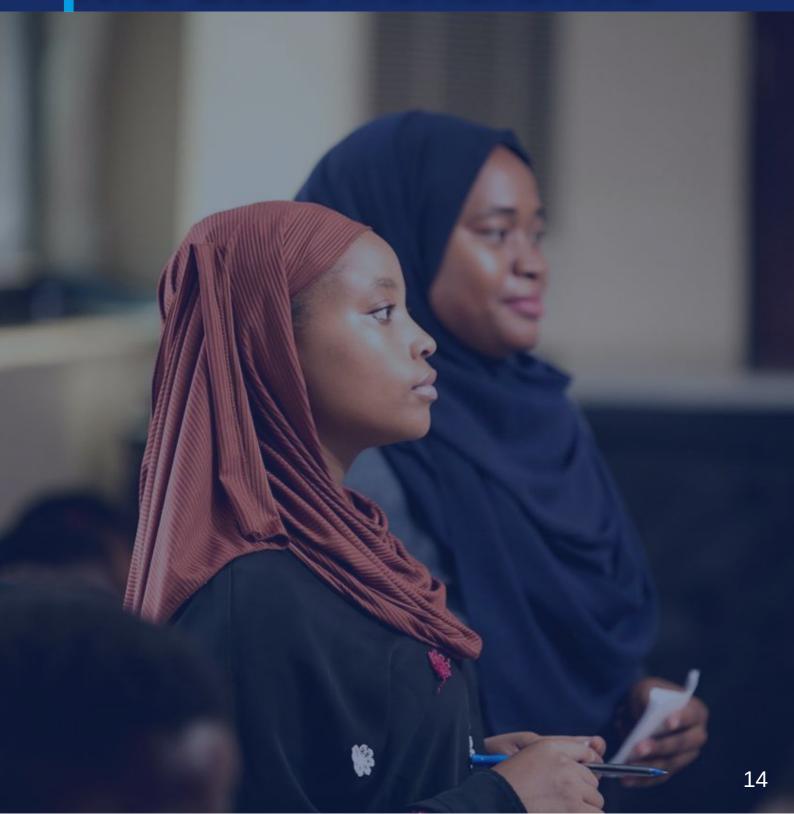
Al/Machine Learning saw the most growth with a 33% increase.



Now more confident that tech/Al is for them regardless of their gender or background



IWD 2022 HIGHLIGHTS



SKILLS IMPROVEMENT

Our comprehensive hands-on programme encourages the development of soft skills such as problem-solving, time-management as well as more technical skills such as coding.

We put a lot of emphasis on responsible innovation.

20%

Increase in Problem Solving

22%

Increase in Time Management



The average increase in all learning areas

Our hackathons saw a 30% increase in perceived student competence from pre to post hack across all learning areas evaluated.



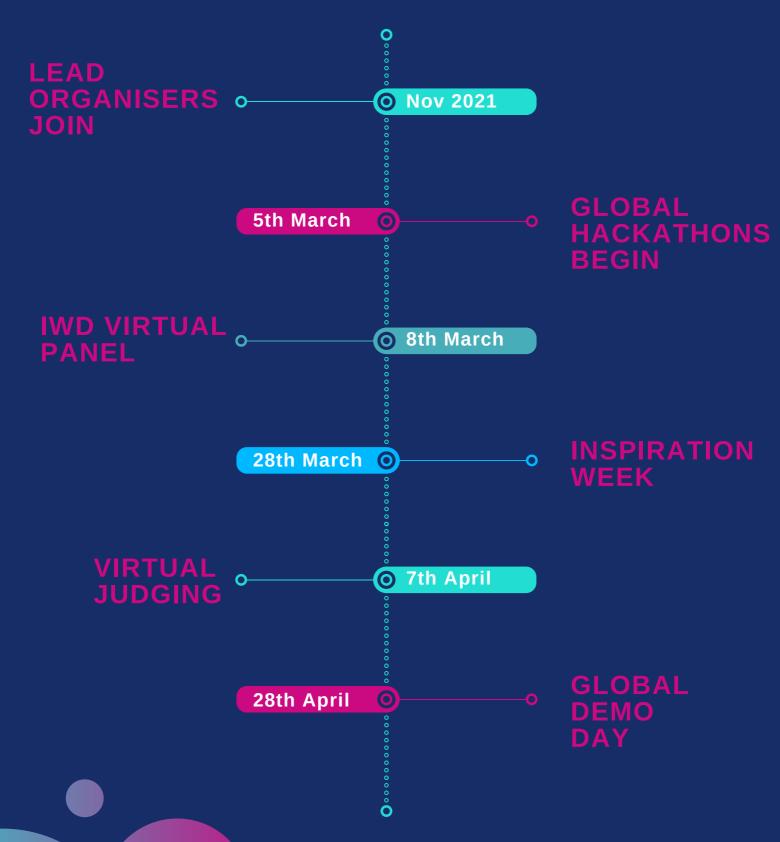
Increase in understanding of Ethics and Al

We encourage all students to build technology responsibly. This is reflected in a 61% increase in their understanding of Ethics in AI.

Self-Evaluation Pre to Post Hack



IWD22 EVENTS TIMELINE



VIRTUAL PANEL

To celebrate International Women's Day and the launch of the IWD2022 campaign, we held a Virtual Panel with three experts in technology, artificial intelligence, and motorsports. The panel discussed a wide range of topics, including the importance of gender equality, breaking the bias in tech and tips on getting into tech.

3 PANELISTS

1 KEYNOTE

A WORLDWIDE AUDIENCE

MODERATOR



Lucy Navas
COO &
Head of Partnerships

Padmashree from Capgemini opened the panel with a keynote about the importance of maintaining a curious mindset when entering the workplace and how such a mindset may lead to the discovery of new opportunities.

The panellists, Helen and Caitlin, spoke about their personal experiences, touching on subjects such as prejudices, imposter syndrome, and the importance of female role models in the technology and sports industry.

OUR PANEL



Helen Baker
Global Diversity, Equity, and
Inclusion Director at Sage



Caitlin Wood

Racing Driver, Coach &
Keynote Speaker



Padmashree Shagrithaya Global Head - AI, Analytics & Data Science at Cappemini

"As soon as we are born, we are born into bias"

"Have the confidence to challenge your pay grade or role in the industry"

"It is crucial to train the leaders on unconscious bias"

INSPIRATION WEEK

This year's Global Inspiration Week had a series of short talks aimed at our teen audience about topics such as growth mindset, data activism, rethinking education and more.

We are extremely grateful to all the wonderful speakers that joined us during this event.



Cadence Willis

VP Sage Foundation at

Sage

Knocking down barriers



Peter He
PhD Student at
University College London
Using AI in Fertility



Renée Cummings

Al Ethicist, Data Activist &
Criminologist at
University of Virginia &
Columbia University

Becoming a Data Activist



Explorer, Board Member at Yonah.ai & EU Commission Al in Health



Rajashree Das

Chief Architect

(Data and AI) at

Capgemini

Gender Equality in Action

Ganesh Ramachandran

Mentor & Advisor at

Teens in Al

Growth Mindset: What is it

and how do you get one



Quddus Pativada
Founder + CEO at
Digest.ai
Life as a teen entrepreneur



Juliette Gates
High-schooler, Climate
Activist
Believe you can





5 DAYS OF TALKS

9 SPEAKERS

3 UN SDGS

VIRTUAL JUDGING: SEMI-FINALS

After each team won its regional hackathon, our expert judges from the business and technology worlds undertook the difficult task to judge all global projects to select this year's semi-finalists.

The Top Five ranked semi-finalist teams were then invited to present their project during the live Global Demo Day.



Arijit Das
Director, AI, Analytics & Data
Science at Capgemini



Susana Duran
VP of Engineering, AI Labs
at Sage



Anchal Bhalla Senior Data Scientist, Insights & Data at Capgemini



Kimberly Graham

Director of AI Transformation
at Sage



Jennifer Belissent
Principal Data Strategist at
Snowflake



Eric Fusilero

VP, Global Enablement and
Education at Splunk



Emilie Joubert
Vice President Human
Resources Europe at
Beiersdorf



Paul Trueman
Senior Vice President ,
Cyber & Intelligence at
Mastercard



Sana Khareghani Head of UK Government Office for Artificial Intelligence



Tami KuboyeProgramme Manager at
Barclays

GLOBAL DEMO DAY FINAL

Our IWD2022 campaign culminated with a Global Demo Day on International Girls in ICT Day.

This year's Global Demo Day Final saw five incredible teams pitch their products live to our expert GUest Judges.

5 JUDGES

5 FINALISTS

1 GLOBAL WINNER

Streamed live on YouTube to an international audience, the teens talked us through their projects and how each one could impact the future. The judges then decided the global winners after scoring each project according to a variety of criteria.



Susana Duran Keynote Speaker VP of Engineering, AI Labs Sage



Thomas EssI
Head of Product Design
QuantumBlack, AI by
McKinsey



Santiago Mendez
EMEA Head of Philanthropy
Lenovo Foundation



Pierre-Adrian Hanania

Data & Al for Good Global

Leader

Capgemini



Martina Sourada
Senior Director,
SWQA Test and Tools
Development
NVIDIA

"Keep inspiring others, keep being role models so that you can break the stereotypes the next time as well"

Susana Duran, Sage



IWD 2022 Hackathon Winners





SOLUTION LEX Index to tools See Texts My Lexi Permanulated Games and Purriess Recommendations Worksha and Trusty forward Quiz Beding Perhaining Deploit "Temmond in pare only."



We really enjoyed working as a team on our idea to help solve one of the sustainable development goals that we were given to tackle.







We were not expecting to win, especially as so many people had such fantastic and well-presented ideas but it was a wonderful surprise!

Value Proposition

Our app helps students with dyslexia by giving them specialised support while they read





We had some disagreements, but we worked through them as a team and made compromises that ultimately helped the product.

99



IWD 2022 Hackathon Runners Up



Value Proposition









Foody

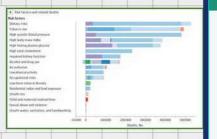
Value Proposition

The Nutritionalist is an easy-touse platform to solve all your

nutrition needs. It allows people to live a long and healthy lifestyle.

Foody helps people who care for their health to choose the right product to consume by giving advice on alternative bioproducts.

WHY IS OUR APP SO **IMPORTANT?**













NON-DIVIDED SUPERMARKETS SECTORS.

ONLY 33% OF PEOPLE **READ INGREDIENTS** LABELS .

Source: University of Minnesota research



We knew we wanted to fix this problem when our research revealed how many individuals throughout the world suffer from a lack of sufficient nutrition.



The target audience are people who have chronic diseases or allergies and people who take interest in their health and wellbeing

THE SOLUTION





"FOODY" WILL GIVE PEOPLE THE OPPORTUNITY TO SCAN THE PRODUCTS INGREDIENTS AND OUR CHATBOT WILL BE TELLING THEM WHAT ARE THE INGREDIENTS THAT MAY DAMAGE YOUR HEALTH AS WELL AS GIVING THEM ALTERNATIVE PRODUCTS AND REGULAR PIECES OF ADVICE.





- Setting a calorie goal and adding calories by searching foods Search foods, 4 sections: SR Legacy, Branded, Survey, Food added to the database by other users (can work through
- image search)
 Food on database is provided with specific information
- regarding vitamins, carbohydrates, calories based on weight Daily meal plan, divided into 3 meals, created to fulfill not only your calorie needs but carbohydrates, vitamins and nutrients as well
- Real Time Food community queries, users are able to ask questions and receive answers from other users on the app Ask the AI
- Add food to database and other people can see it.

4

IN THE SPOTLIGHT



SOUTH AFRICA



30

Teens from Tomorrow Trust & Redhill School collaborating

4

Workshops

7

Guest Speakers

6

Projects created

REDHILL SCHOOL AND THE TOMORROW TRUST

IWD22 welcomed teen participants from South Africa. Students from Redhill School and the Tomorrow Trust were challenged to use artificial intelligence to create a mobile application that uses AI for social good.

The Tomorrow Trust is a non-profit organisation that provides holistic support to orphaned and vulnerable children, helping them on their journey towards a comprehensive and integrated education.

The video below gives a glimpse into the Hackathon and the powerful impact it had on the students who attended.

The hackathon increased students' awareness of how they can harness the power of technology to solve real-world problems. You can hear more about the projects in Johan Steyn's article for Business Live, which you can read <u>here</u>.

Many thanks to the wonderful Ms Lulu Burger for organising this two-day event, and for the mentors, speakers, judges and corporate sponsors who so willingly gave up their time to take part.



40

Teen participants

8

Guest Speakers



Teen Organisers

8

Projects created

HONG KONG

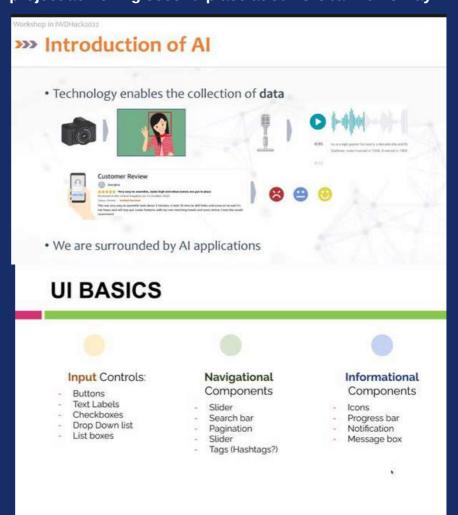
FORMER PARTICIPANTS LEAD THEIR OWN HACK

After taking part in previous hackathons, a group of teenagers in Hong Kong decided it was time to take the lead to plan and host the next Teens in Al event themselves in 2022.

Shrihaan, Arshiva, Kaushiki, and Ivana got together to form a lead organising team. Working together, they were able to put on a hackathon with workshops led by teachers from prestigious institutes such as The Chinese University of Hong Kong (CUHK).

Nicole, the previous Hong Kong lead organiser, became an advisor to the team, despite still being a teenager herself. This progression from a participant, to lead organiser, and then to an advisor is an example of the leadership skills that can be developed through hackathons.

Eight projects were created in total, with the winning project achieving second place at our Global Demo Day.



ALUMNI SPOTLIGHT

This year, we would like to take the opportunity to look back and celebrate the pathways that some of our Teens in Al Alumni have taken - pathways that in many instances have been inspired by their participation in one or more of our many hackathons.

Peter participated in Teens in AI Hackathons from 2016 to 2017 before becoming a co-founder and CTO at Teens in AI in 2018. After completing their PhD, they are now a senior data scientist at Apricity and have recently been nominated for The Alconics AI Innovator of the Year Award.



Peter He
PhD Student at
UCL



Ross Nkama

Entrepreneur In Residence at Entrepreneur First

Ross went to Teens in AI Hackathons in 2017 and 2018. He then got inspired to join Google as an apprentice, worked as a software engineer at Facebook/Meta, and is now joining Entrepreneur First as an "entrepreneur in residence" to build his own startup.

In 2018, Selina took part in the Teens in Al Summer Program. Since then, she has become an apprentice at Microsoft and has since won a Diversity Lead of the Year Award.



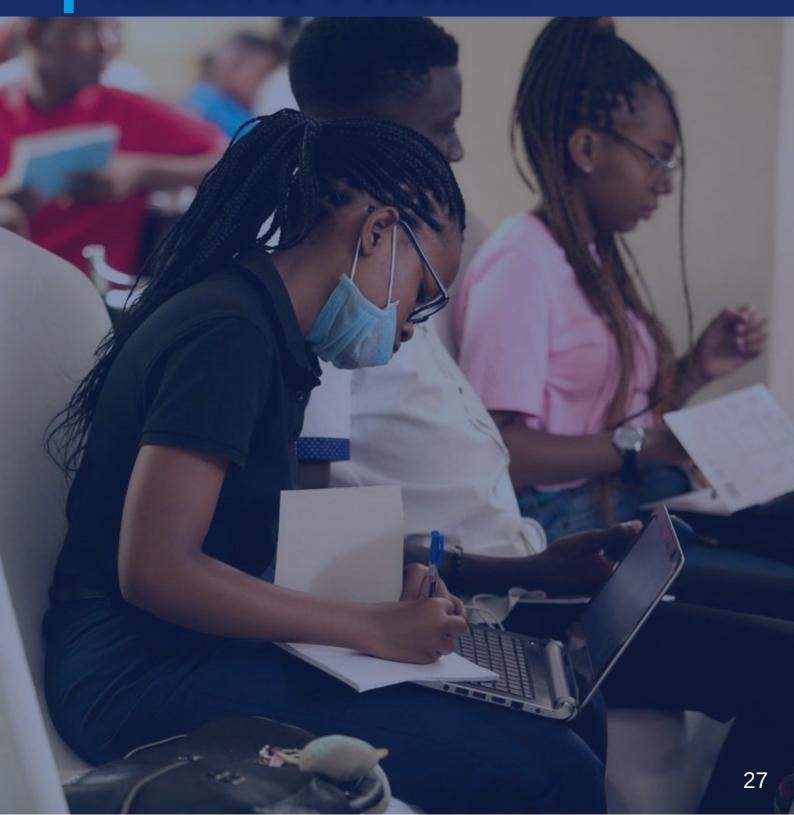
Selina Tishler
Client Technology Lead for
UK Local Regional
Government at Microsoft



Sara Conejo Servantes Spokeswomen for Gender and AI, Fem Tech Entrepreneur and Student

Between 2016 and 2018, Sara attended Teens in AI
Hackathons. They are now graduating from Bath
University with BSc in Computer Science and Maths, whilst
also working as the Inclusivity Officer for Women in Tech
and as a spokesperson for Gender and AI. They are about
to join Expedia as Data Scientist.

HEAR IT FROM...



WHAT THE IWD22 WINNERS HAVE SAID...

At the local hackathons, teens pitch their concepts and are assessed on criteria including ethics, technology, problem validation and business viability.

Hear what some of our winning teams had to say about their experience.

Winning the Hackathon made us feel invaluable, and boosted our confidence in our future. We recommend that other young people participate as we think everyone has the right to have such an experience.





The highlight of our Hackathon experience was being able to meet new people and collaborate to create something unique that we were all passionate about.





The competition's atmosphere was so challenging and exciting at once. We truly recommend the Hackathon because it's the best place to develop your business and coding skills, as well as to increase your network!



WHAT IWD22 LEAD ORGANISERS SAID...

Our campaigns are only possible because of our Lead Organisers' ambition, vision, and hard work.

They make our hackathons a success, so hear what they thought about their experience.

I loved the live days when the actual Hack is taking place. There is always such a vibe and a feeling of anticipation and then accomplishment by the teens.

Lulu, Lead Organiser from South Africa

66

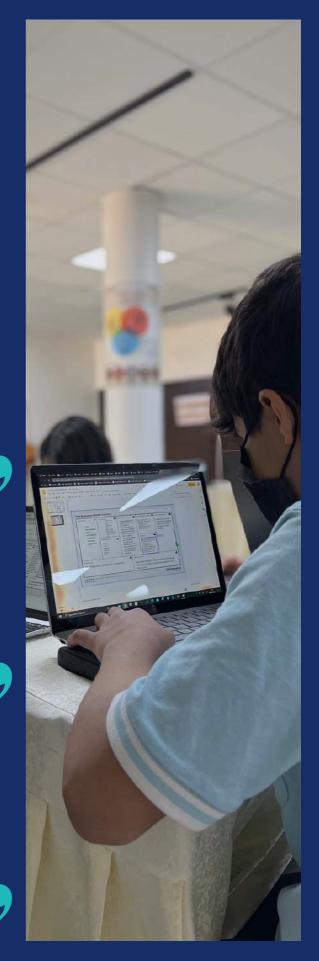
What is overwhelming is receiving phone calls or comments from grateful parents or from the participants themselves.

· <mark>Ichraf</mark>, Lead Organiser from **Tunis**, **Tunisia**



Being able to generate change and opportunities for the youngest in my country is something that gave me great happiness and inspired me to continue in activities that generate a positive impact on our society.

- **Ányela**, Lead Organiser from **Peru**



SOCIAL MEDIA **MENTIONS**



Tami Kubove - 3rd+

+ Follow · · ·

Status Quo Disruptor | VP Programme Manager at Barcl... 3w · Edited · (\$)

What an honour to be a #VirtualJudge at the #TeensinAl 5th Global Hackathon to celebrate International Women's Day! The global teams from Tanzania, Tunisia, Peru, Switzerland and the US really brought their A game with their projects and it was as much learning for me as it was for them!

lt's super important that we engage and equip young people NOW to break the bias already waiting for them in the future.

Massive congrats to the top 5 finalist teams who have made it through to the Global Demo Day

Teens in AI will be streaming the top teams pitching their projects for amazing prizes LIVE on the 28th of April at 4pm - 6pm BST. Please join if you can: https://bit.ly/gdemoday22

#hackathons #girlsintech #womenintech #womenintechnology #womeninAl #diversityintech #tech4good #IWDHack2022 #teensinai2022 #BarclavsWomeninTech



Pierre-Adrien Hanania - 3rd+

Global Offer Leader - Data & Al in Public Sector at Cap...

1mo · Edited · (5)

Super thrilled to be one of the judges on this year's #GirlinAl #Hackathon, as was last year Anne Laure Thieullent, our Data & Al Group offer leader at Capgemini. The hackathon is organized by Teens in AI and occurs annually.

+ Follow ...

On the 28th of April, young females from across the world will be showcasing their kickass #ideas, thoughts, projects. In a world where biases are still very embedded within the human (!) side of technology, the teens in AI are the change and impulse we need.

Looking forward to this, and as Anne-Laure shared, I will definitely be on the judge but also the #learning side, inspired by the energy of ideas and initiatives these young AI talents will bring.

Rendez-vous le 28 avril!

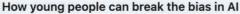


Emilie Joubert (She/Her) • 2nd

Vice President Human Resources Europe...

Always a pleasure to see your great work Teens in Al !!





Anne Laure Thieullent on LinkedIn . 3 min read

Al is shaping the world, but it is up to us who shapes Al. That's why it is such a privilege t...



1 comment · 4 shares

We should recognise that we have as much to learn from young people as they do from us.

Anne Laure Thieullent, Executive Vice President at Capgemini

SOCIAL MEDIA **MENTIONS**



Kimberly Graham · 2nd

Director of Al Transformation, Sage Al ...

+ Follow

I had the pleasure of being a judge for the Teens in Al hackathon this week. It was such an amazing experience seeing the talent, drive, intellect, teamwork, and creativity of teens from around the world! It's a fabulous organization making a huge difference in the lives of these kids! #teensinai2022



CCO Cadence Willis and 65 others



Susana Duran (She/Her) • 1st VP of Engineering at Sage

I am really looking forward to seeing the amazing projects the finalists have prepared. It is always a blast of innovation and creativity from those young teams!!



OPINION / COLUMNISTS

JOHAN STEYN: Artificial intelligence has a place in rural SA

Redhill School follow-up event underlines what technology can do to solve unique SA problems

BL PREMIUM

15 MARCH 2022 - 15:14 by JOHAN STEYN

Johan Steyn on the Teens in Al South Africa Hackathor







Yonah Welker • 2nd

Explorer, Public Evaluator, Board Member // ...

From Kuwait, Tunisia, Syria to the UK, Italy and USA Massachusetts Teens in Al and Elena Sinel are my role models on how to turn bottom-up AI communities into a global movement, involving a new wave of researchers, technologists, schools and campuses.

Happy to join them again next week, this time within the International Women's Day Hack 2022, #healthtech talk and my session dedicated to NLP, neurodiversity, migration, cultural equity and the problem of "double burden", technologies targeting Arabic and non-English languages and much more.

Don't hesitate to join us - Inkd.in/dSc-aBBA my peers Renée Cummings and many others.

On a mission (yonah.ai)

#ai #ethics #neurodiversity #accessibility #IWDHack2022

THANK YOU NOTE



LEAD ORGANISERS

17 LEAD ORGANISERS

Our volunteer Lead Organisers deserve a huge thank you and appreciation for ensuring that every local hackathon was an inspirational and safe learning experience for the students.





Stephanie Velichkova Bulgaria



Stella Waithera Kenya



Razan Ghalayini Kuwait



Kaushiki Chaturved Hong Kong



Nina Hamidli Azerbaijan



Olga Kaiser Switzerland



Kai Maembe Tanzania



Tunisia, Tunis



Faten Khalfallah Tunisia, Sfax



Edoardo Nemni Italy



Daria Rodila Romania



Daniela Andrade USA



Ányela Flore
Peru



Lulu Burger South Africa



A special thank you to our Corporate Partners

Platinum Partners



Sage

The team making it happen

Elena Sinel



Founder & CEO

Lucy Navas



COO &

Head of Partnerships

Tariq El Bitar



Operations & Events

Manager

Teodora Jakubcionyte



Marketing Manager

Christina Elliott



Operations Associate

Sophie Waller



Events & Operations
Intern

JOIN US





Partner with us

If you wish to join us on our mission as a **Corporate Partner** in 2022 or 2023, please reach out. We would love to hear from you.



Elena Sinel
Founder & CEO
elena.sinel@teensinai.com



Lucy Navas
COO &
Head of Partnerships
lucy@teensinai.com

SAVE THE DATE!

Summer Programme 1st - 15th August 2022