

The

# Source

SEPTEMBER 2023

42

أبو ظبي  
ABU DHABI



## TABLE OF CONTENTS



- 1// MESSAGE FROM **THE CEO**
- 2// DID YOU **KNOW?**
- 3// UNLOCKING THE **NEXT GENERATION**
- 4// **WHAT'S UP AT 42 ABU DHABI?**
- 5// CODERS SPOTLIGHT -  
**ABDALLAH AHMED ALHAMMADI**
- 6// MEET THE BOCAL **ADNAN SEGHAIR**

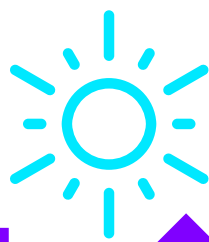
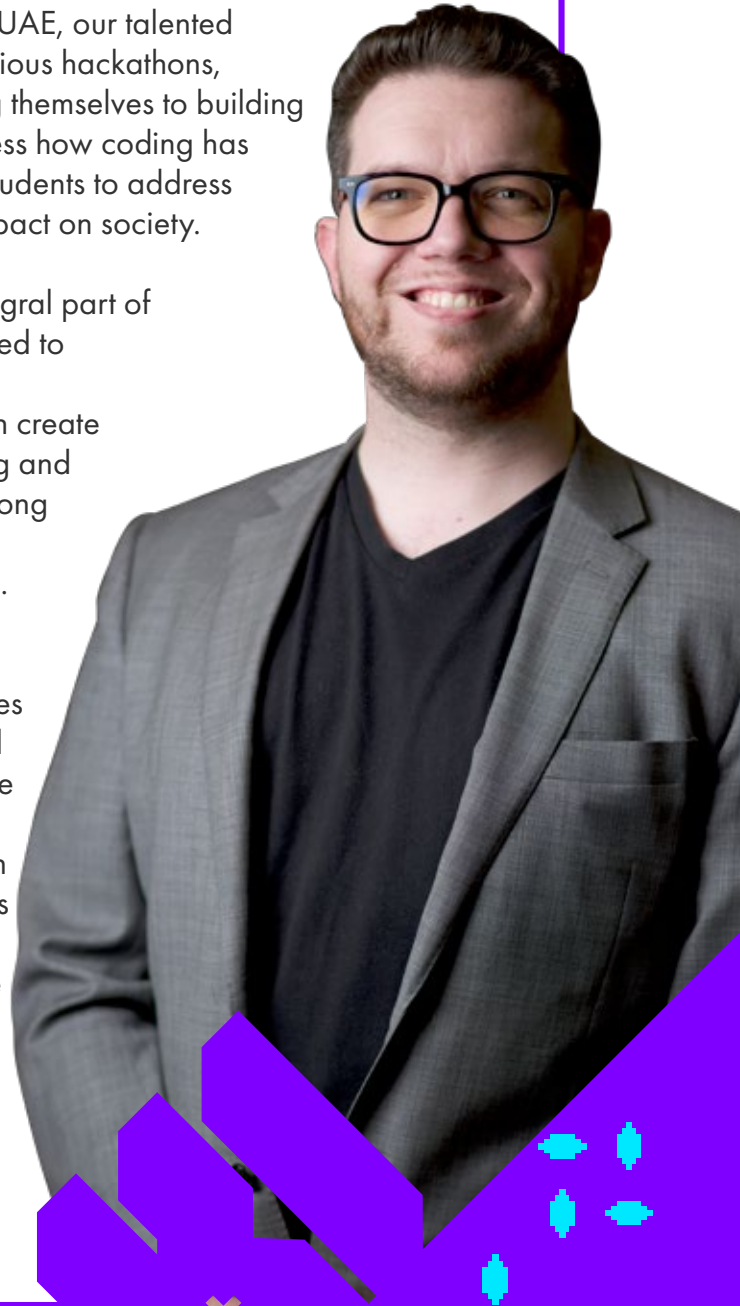
## A Message from Marcos Muller-Habig Unveiling Generation 42 Abu Dhabi!

As the world comes together for COP28 in the UAE, our talented students have been actively participating in various hackathons, developing innovating projects, and dedicating themselves to building sustainable solutions. It is truly inspiring to witness how coding has become a powerful and effective tool for our students to address real-world challenges and create a positive impact on society.

We believe that sustainability should be an integral part of everything we do, and our curriculum is designed to encourage students to think critically about the significant environmental impact which they can create through coding. Through project-based learning and real-world applications, our students have a strong understanding of how their coding skills can contribute to creating a more sustainable world.

As such, we are proud to present to you our brand new sustainability page, which showcases our commitment to foster a generation of skilled coders who are equipped to develop innovative solutions that address the world's pressing environmental challenges. In this page, you can find our latest initiatives, hackathons, workshops and student projects, which center on driving a greener and more sustainable future. [Click here to visit our sustainability page!](#)

A MESSAGE FROM  
**MARCOS MULLER-HABIG**





### **Amazon's voice assistant gets more human-like with generative AI**

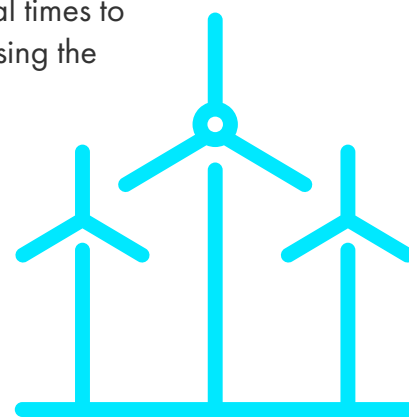
Amazon's Alexa is about to bring generative AI inside the house, as the company introduces sweeping changes to how its ubiquitous voice assistant both sounds and functions.

The company announced a generative AI update for Alexa and, subsequently, of all Echo products dating back to 2014, at a press event at its new campus in Arlington, Virginia. Alexa will be able to resume conversations without a wake word, respond more quickly, learn user preferences, field follow-up questions and change its tone based on the topic. Alexa will even offer opinions, such as which movies should have won an Oscar but didn't.

In a live demo, Dave Limp, senior VP of devices and services at Amazon, asked Alexa about his favorite college football team without ever stating the name. (Limp said he previously told Alexa and it remembered). If his favorite team wins, Alexa responds joyfully; if they lose, Alexa will respond with empathy.

When Limp said "Alexa, let's chat," it launched a special mode that allowed for a back-and-forth exchange on various topics. Notably, Limp paused several times to address the audience and resumed the conversation with Alexa without using the "Alexa" wake word, picking up where they left off.

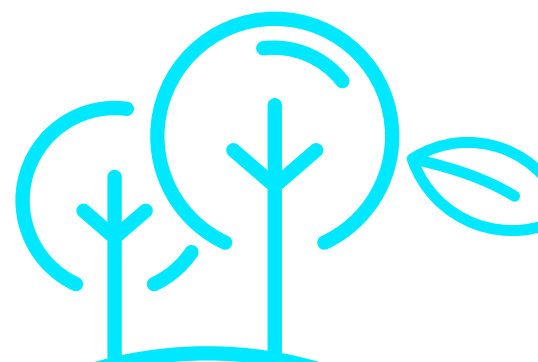
\*Source: [CNN](#)



# Unlocking the next generation of ICT talent - CNN Feature

42 Abu Dhabi's CEO was recently featured in a CNN article where he shed light on the key role of 42 Abu Dhabi in building a generation of coders who are equipped to lead the Emirate's digital future. The article centered on the thriving ICT sector in Abu Dhabi, highlighting the Emirate's pipeline of highly skilled digital workers who are the driving factors behind the growth of the sector.

Read the full [article](#) here.



# What's up at 42 Abu Dhabi?

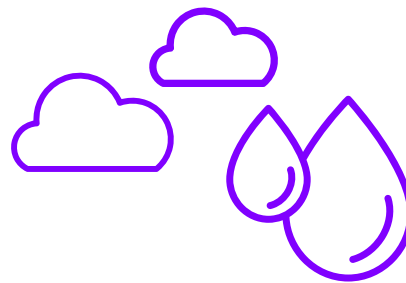
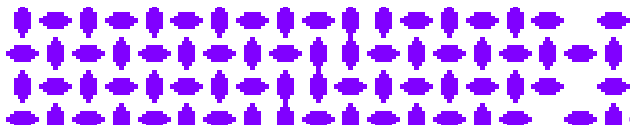
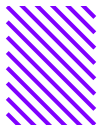


## AI Hathboor Bikal.ai Hackathon

42 Abu Dhabi held a hackathon titled "AI See a Solution: Computer Vision Hackathon 2023" in collaboration with AI Hathboor Bikal.ai, a cutting-edge solutions provider dedicated to spearheading technological advancements for businesses and governments.

The team who won first place, including Ahmed Salem, Ghaiath Abdoush, Shatha Jadallah and Nousheen Ali, developed 'Sawt AlRu'ya,' an application which utilizes cutting-edge computer vision and AI technology to analyze live video streams, convert them into real-time textual descriptions, and seamlessly translate them into spoken words using a Large Language Model (LLM). By providing immediate audio feedback, 'Sawt AlRu'ya' empowers individuals with visual impairments to interact with their surroundings, effectively enhancing their daily lives and fostering inclusivity.

The second-place champions, including Avazbek Rashidov, Timur Mazitov, Zubaydullo Abdirakhmonov, and Nauman Munir, developed "Visulaw", a tool which empowers users to capture photos of objects and instantly receive location-specific information about relevant fines and laws associated with those objects. This web application enhances user awareness and compliance with local regulations, fostering safer and more informed interactions with everyday objects. Congratulations to all the winners!

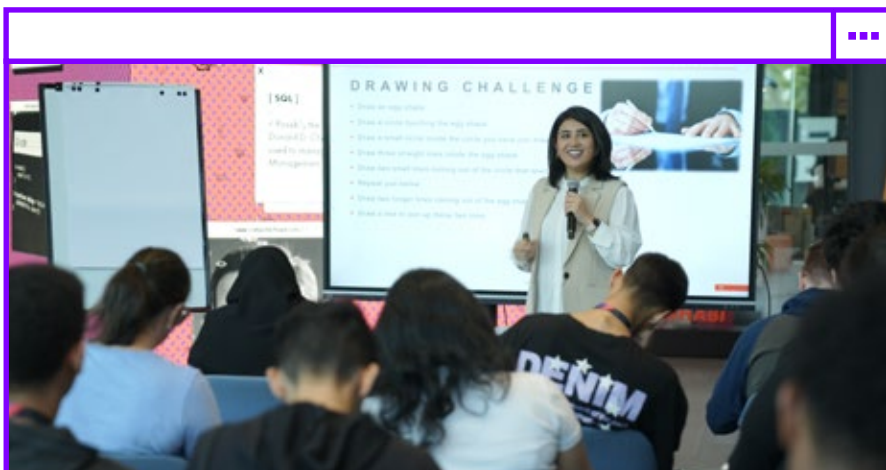


## Laughter Code

Our students had an absolute blast on the 7th of September, laughing their hearts out during an unforgettable afternoon with the one and only Salama Al Qubaisi, a renowned comedian in the region.

## Project Management Workshop by BEACON RED

We recently welcomed Sarah Urabi from BEACON RED in our campus, where she led an insightful project management workshop for our students. Through the workshop, attendees gained experience in crafting project outlines, understanding project stages, utilizing various methodologies, defining scope, managing resources, and establishing timeframes, which are all vital skills for coders.



## Sustainability Hackathon Champions Decode a Greener Future

Last month, 42 Abu Dhabi organized a hybrid global sustainability hackathon, under the title "Code for a Greener Future and Sustainable Tomorrow", which saw the participation of 153 students from the 42 Network schools across the UAE, Morocco, Portugal, Brazil, Malaysia, Korea, and Australia.

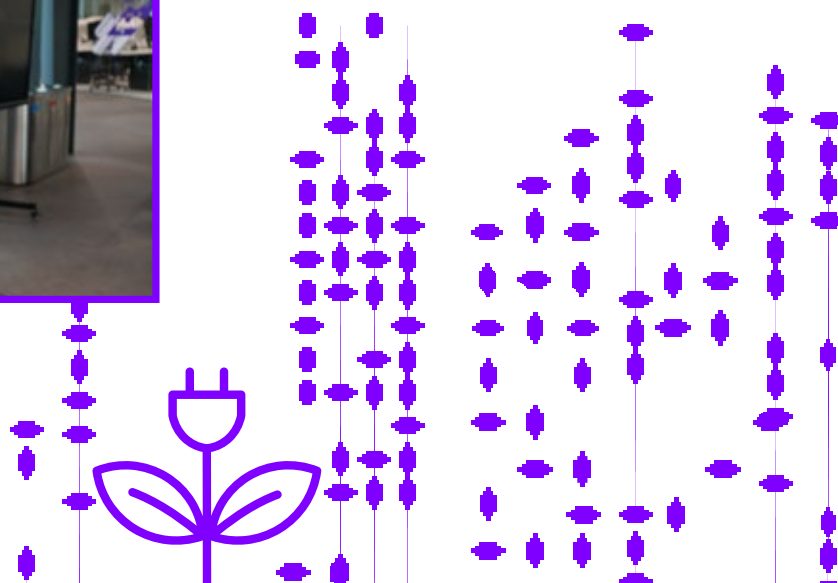
The first winning project, presented by 42 Abu Dhabi's students, was developed under the name 'Eco Trip' with the aim of revolutionizing sustainable travel. By curating tailor-made journeys that align with an individual's interests and hobbies, Eco Trip promotes travel experiences that have a low impact on the environment, such as exploring nature reserves or supporting eco-friendly accommodations.



The second project, developed by 42 Kuala Lumpur's team, was an app named 'Foodsavvier'. The app combines food inventory tracking with AI-powered predictions to address the issue of food wastage in restaurants. By seamlessly integrating inventory management and predictive analytics, the app aims to significantly reduce food waste while optimizing restaurant operations. The app forecasts food demand ahead of seasons and holidays, enabling restaurants to proactively plan their inventory, in addition to predicting the optimal quantity to purchase for each product, ensuring efficient procurement practices and minimizing wastage.

## WOW Activation Vending Motion Machine

This month, our students were given the opportunity to step away from their screens and engage in a fun and interactive gaming experience. They were challenged to gather plastic water bottles in the shortest span of time, creating an engaging activity that increased their awareness about the importance of safeguarding our environment.





# Coders Spotlight - Abdallah Ahmed Alhammadi

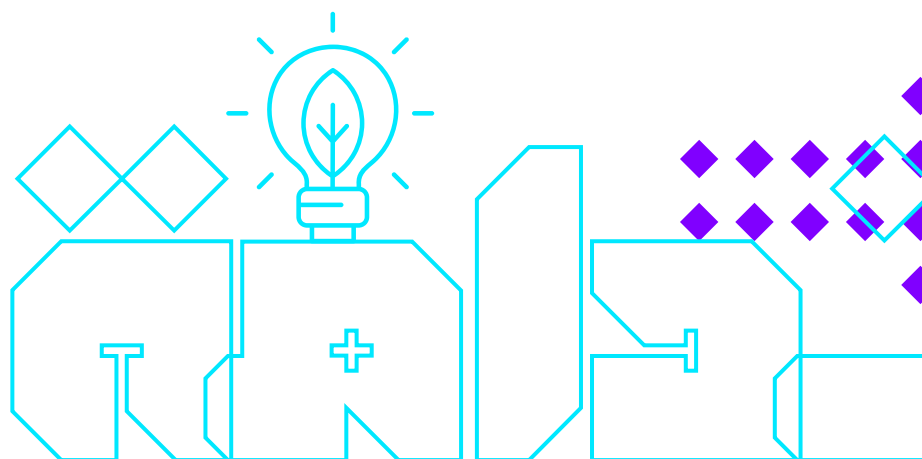


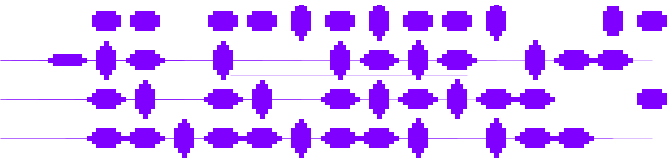
## 1. Tell us about yourself and your background before joining 42 Abu Dhabi.

My name is Abdallah Ahmed Alhammadi, and I'm 20 years old. I am currently completing a Bachelor of Science in Computer Engineering with an Artificial Intelligence minor at the United Arab Emirates University. I have a solid understanding of basic-level coding and have successfully completed several high school projects related to various computer aspects, including coding, security, and database management. I am always eager to seize any opportunity to further enhance and apply my knowledge.

## 2. Are there any specific industries or domains that you are interested in applying your coding skills to?

My primary interest lies in the sustainability sector, particularly clean energy, alongside my passion for artificial intelligence. I have utilized the coding skills that I acquired at 42 Abu Dhabi to contribute to a sustainable smart farm project that operates using sustainable methods to fulfill its electricity and water needs.





### 3. What advice would you give to someone who is considering joining 42 Abu Dhabi or starting their coding journey?

I encourage everyone to consider joining 42 Abu Dhabi, as coding will undeniably be embedded in the future of all vital sectors. 42 Abu Dhabi's peer-to-peer collaborative learning model equips students with the necessary skills for training and employment opportunities facilitated by the school.

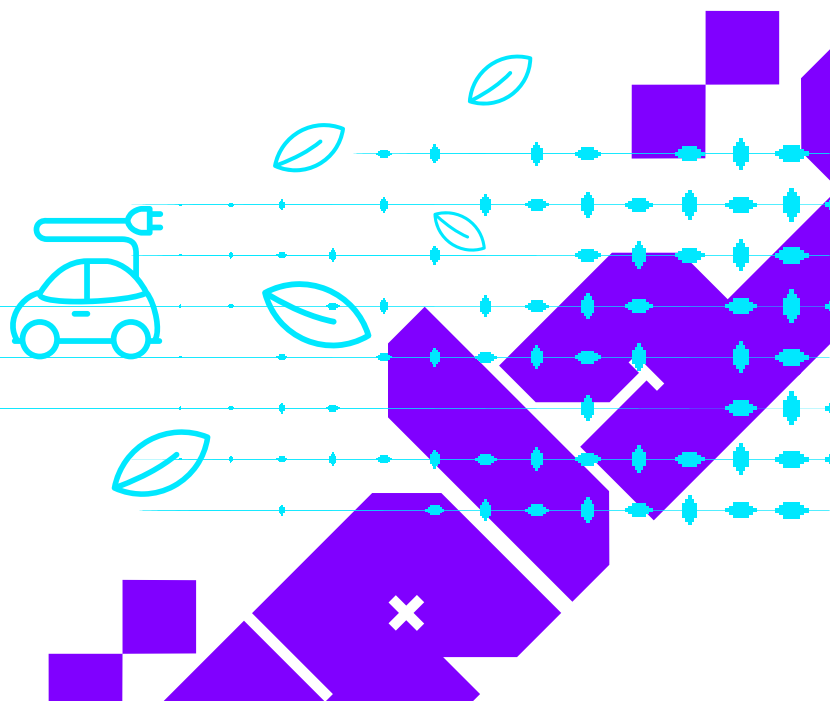
### 4. Are there any accomplishments or milestones that you are particularly proud of during your coding journey?

I take immense pride in having discovered my passion for coding during my high school years, and I am thrilled to be on track to attain two diplomas from 42 Abu Dhabi and Fab Academy, as well as a Bachelor of Science degree in Computer Engineering with a minor in Artificial Intelligence. At just 20 years old, I am proud of the knowledge I have acquired thus far and greatly enjoy the continuous learning process. Through my coding journey, I have realized the importance of effective communication, and I consistently seek out opportunities to expand my expertise.

### 5. Are there any coding or tech-related blogs, books, or resources that have been particularly helpful to you?

**Website:** Codecademy

**Book:** "C Programming Absolute Beginner's Guide" by Perry and Miller Blogs : Github



# Meet the Bocal - Adnan Seghair

## 1. Could you elaborate on your specific responsibilities within 42 Abu Dhabi?

As a Technical Manager at 42 Abu Dhabi, my responsibility is to ensure that the IT infrastructure is running smoothly and oversee the design, implementation, and maintenance of the school's IT infrastructure, including networks, servers, and hardware.

## 2. In your perspective, what is the primary element that drives the success of 42 Abu Dhabi's learning model?

In my opinion, 42 Abu Dhabi's unique and innovative peer-to-peer learning model makes it stand out from any other coding school. This learning model enhances students' creativity, collaboration and innovation skills, enabling them to take ownership of their learning journey.

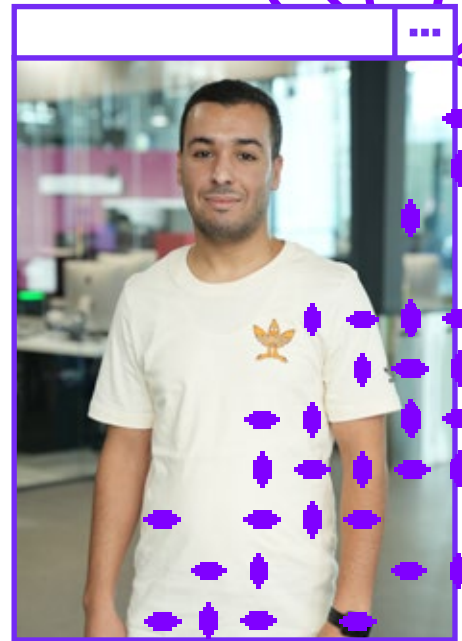
## 3. In your opinion, what qualities define an exceptional student at 42 Abu Dhabi?

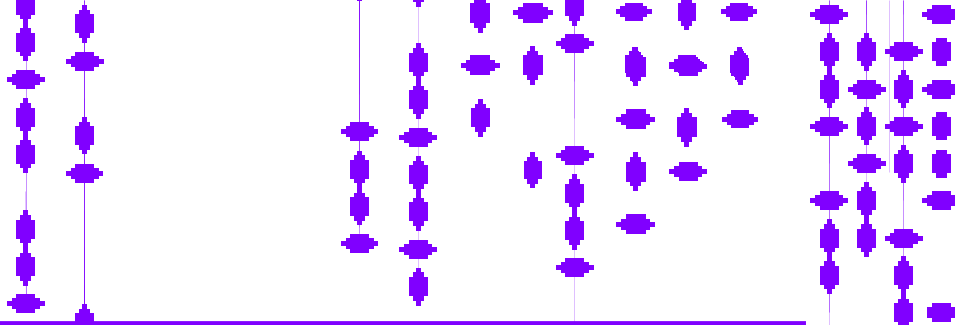
42 Abu Dhabi's students exhibit a range of qualities such as curiosity and problem-solving skills. They are always keen to explore new paths and find effective solutions to challenges or obstacles through project-based learning.

## 4. What emerging digital trends are you observing in the education sector currently?

From my observations, two emerging digital trends in the education sector currently are AI and hybrid learning. AI tools, such as Chatgpt, have made a significant impact on the education sector by providing support to students. However, it is important for higher education professionals to be aware of the potential challenges, such as increased plagiarism.

Hybrid learning, on the other hand, has become essential during the COVID-19 period. It has not only helped overcome the challenges posed by the pandemic but also allows educational content to reach individuals with limitations, ensuring they have access to quality education.





# Upcoming Piscine Dates

23<sup>rd</sup> October

17<sup>th</sup> November





The WORLD  
UNIVERSITY  
RANKINGS  
for INNOVATION

# WURI RANKING 2023

# 42

أبو ظبي  
ABU DHABI

IN ETHICAL  
VALUE



INNOVATIVE  
UNIVERSITIES



(+2)

GLOBAL TOP 100