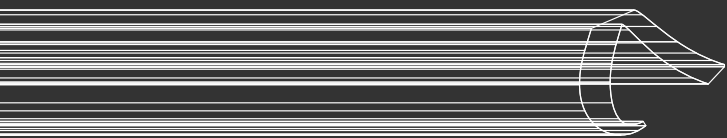
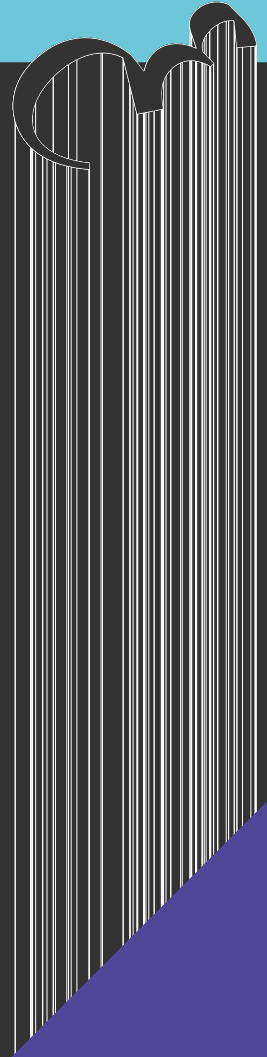


42

أبو ظبي  
ABU DHABI

# Decade

THE 42 ABU DHABI NEWSLETTER  
APRIL 2023



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## A Message from Marcos Muller Habig Coding a Sustainable Future

Every year on the 22nd of April, people from across the world celebrate Earth Day by raising awareness on the climate crisis and bringing about behavioural change to protect the environment and promote sustainability. So, how can we as coders contribute to driving the sustainable future of the coming generations? Additionally, what technologies can our students develop to ensure that they are prepared to work in sustainability-related fields?

As the world becomes more aware of issues surrounding climate change, there is a growing need for sustainable solutions. Coders can play a key role in contributing to sustainability efforts by creating software that reduces energy consumption and waste, and by developing tools that help organizations and individuals make more environmentally friendly choices.

Coders can also contribute to driving sustainability by developing software that helps integrate renewable energy technologies into existing systems, making it easier for companies and individuals to adopt these technologies and reduce their reliance on fossil fuels.

Another important way that coders can contribute to sustainability is by developing software that reduces waste. This could include designing software that helps businesses track and reduce waste, or that optimizes supply chain management to reduce the amount of packaging and other materials used. By developing such software, coders can help businesses and individuals reduce their environmental impact and contribute to a more sustainable future.

A MESSAGE FROM  
**MARCOS MULLER HABIG**





# Did you know?

## Green Coding – What it means and why it's important

Many organizations have set greenhouse emission reduction goals to respond to the climate change crisis and global regulations; green coding is one way to support these sustainability goals. Green coding is a segment of green computing, a practice that seeks to limit technology's environmental impact, including reducing the carbon footprint in high-intensity operations, such as in manufacturing lines, data centers and even the day-to-day operations of business teams.

Beyond the energy-saving benefits, companies may also find there are additional advantages to green coding practices, such as reduced energy costs. It's the simple principle of use less, spend less. With the increasingly volatile price of energy, organizations want to reduce the amount they spend on power not just for environmental sustainability, but also to maintain the sustainability of the business. Green coding can also move organizations closer to reaching their net zero emission goals

Read more about Green Coding [here](#).

# What's up at 42 Abu Dhabi?

## Embracing the Ramadan spirit with our 42 Abu Dhabi community

Our 42 Abu Dhabi was the perfect way to bid farewell to the holy month of Ramadan and enjoy delicious food at Bab Al Nojoom - Al Hudairyat. Our Iftar event this year brought together all the 42 Abu Dhabi community in an unforgettable evening!



## Celebrating World Creativity and Innovation Day

In celebration of World Creativity and Innovation Day, we're proud to shed light on our students' most innovative projects, further reaffirming our efforts to encourage our students to become catalysts of change and lead the Emirate's digital transformation

Our students developed a project featuring an AI machine-learning model that predicts the occurrence of chronic kidney diseases. In recognition of this project's success, 42 Abu Dhabi students ranked in first place when they presented their project in the HealAthon. HealAthon is a healthcare analytics boot camp in the UAE, dedicated to solving healthcare challenges using technology, which was organized in collaboration between UAE based Edtech startup Airtics Education and Coders HQ and attended by 42 Abu Dhabi students.



Additionally, one of the most innovative projects developed by Mehrin Firdousi, one of 42 Abu Dhabi's rising coders is the real-time sign language translation mobile app. The app aims to bridge the communication gap that currently exists between sign language users and people who do not have extensive knowledge on sign language.



42 Abu Dhabi students also built the Talent Hub platform, which allows recruiters to screen candidates by enabling them to record themselves while answering interview questions. This platform aims to elevate efficiency by allowing recruiters to screen multiple candidates at the same time.



## Coders Spotlight – Alhai Alhameli

Q1. Tell us a little bit about your background.

I have a strong academic background in IT Security and Forensics, and I am currently pursuing software development studies at 42 Abu Dhabi to enhance my technical skills. Cyber security is an area of particular interest to me, and I strive to stay up-to-date with the latest developments in this field. As a self-taught Python programmer, I have been able to develop my technical abilities in cyber security. Additionally, I have advanced my programming skills in C and C++ at my 42 Abu Dhabi to broaden my skill set.



## Q2. What inspired you to enter the coding field?

What inspired me to enter the coding field was the desire to learn a skill that is in high demand and has the potential for growth in the future. I also have a passion for problem-solving, innovation and creation, and I believe that coding provides an outlet for this.

## Q3. What are the challenges that you have faced during your learning journey?

Learning to code has been a challenging journey for me, especially when it comes to mastering new programming languages and solving complex problems. One of the biggest challenges I have faced is keeping up with the pace of new developments in the field of technology. With new languages and technologies emerging all the time, it can be tough to stay up-to-date and remain competitive.



## Q4. Why is it important to learn coding?

Learning to code has numerous benefits that make it a valuable skill to have. Firstly, coding is a valuable and in-demand skill in today's job market, with many companies actively seeking individuals with coding skills. Additionally, coding can improve problem-solving abilities and foster critical thinking skills. Coding also allows for a great deal of creativity and innovation, and it provides a rewarding outlet for self-expression. Whether you are developing new software or designing a website, coding offers endless possibilities for creating and building something new.





## Dr. Hazim Jarrah Academics Team, 42 Abu Dhabi

### 1. Can you tell us more about your role at 42 Abu Dhabi?

As a member of the academic team at 42 Abu Dhabi, our focus is on enriching and enhancing the learning experience for our learners. This includes creating a supportive learning environment that encourages collaboration, respect, and constructive feedback among learners. Additionally, we provide guidance and support for learners as they navigate the learning process, and we develop tools to monitor student performance and provide feedback accordingly.

I am also taking the lead in planning and executing hackathons and coding challenges at 42 Abu Dhabi. These events are designed to inspire and motivate participants to think creatively, work collaboratively, and push the boundaries of innovation. Our goal is to help students develop the skills and confidence they need to succeed in their future endeavors.



## 2. What do you think is the key factor that enables the peer-to-peer model to succeed?

I believe that the sense of community and accountability among learners is one of the key factors that make the peer-to-peer model a successful approach. In this model, form a community that shares a common interest in the topic they are studying. This fosters a sense of community and accountability among the learners, which motivates them to stay engaged and committed to achieving their learning goals.



Being part of a community can be particularly motivating because it creates a sense of belonging and social support. When learners know that they will be interacting with their peers and sharing their progress, they feel a greater sense of responsibility to stay on track, meet their learning goals, and strive for excellence.

Overall, the peer-to-peer learning model is an effective approach that leverages the power of community and accountability to create an engaging and effective learning experience. It allows for a great deal of creativity and innovation, and it provides a rewarding outlet for self-expression. Whether you are developing new software or designing a website, coding offers endless possibilities for creating and building something new.



## 3. What makes a great 42 Abu Dhabi student?

There are several qualities that are essential for a student to excel at 42 Abu Dhabi. Specifically, a successful student should be collaborative and open-minded.

Collaboration is crucial for the successful implementation of the peer-to-peer learning model. Therefore, a student needs to work effectively with their peers, respect their viewpoints, and contribute to their learning. In addition, an open-minded attitude is important for learning and growth.

A student who is open-minded is willing to consider new perspectives and ideas, and is not resistant to change. Overall, possessing these qualities can help a student thrive and succeed in the unique learning environment at 42 Abu Dhabi.

#### 4. What are some of the key trends in the education sector?

In the education sector, there are several trends that are shaping the future of learning. These trends must be embraced to provide learners with high-quality education that meets their needs and prepares them for the job market. Two of the main trends that I would like to highlight are technology integration and project-based learning.

Many educational providers are leveraging the latest technologies to enhance the learning experience of students. For instance, AR/VR technologies are utilized to create immersive learning experiences that simulate real-world scenarios. This enables students to engage with the learning material in a more interactive and meaningful way. Additionally, AI is being integrated into education to offer personalized learning experiences for students. Through AI-powered systems, educational providers can analyze students' learning patterns and create customized learning paths that cater to their unique needs and preferences. This technology enables students to learn at their own pace and provides educators with insights to optimize the learning experience. By embracing these innovative technologies, educational providers are creating more effective and engaging learning experiences that can better prepare students for their academic and professional futures.

Project-based learning is a widely used approach, in which students work on a specific project over an extended period. This method encourages students to take ownership of their learning by planning and executing the project. Moreover, it promotes the development of critical thinking, problem-solving, collaboration, communication, and creativity skills among students. By engaging in project-based learning, students are given the opportunity to explore topics in-depth and apply their learning to real-world situations. This approach also allows students to work collaboratively with their peers, enhancing their teamwork and communication skills.



Upcoming  
Piscine Dates

10<sup>th</sup> July - 3<sup>rd</sup> August

4<sup>th</sup> Sep - 28<sup>th</sup> Sep

