

Muskaan Niyas



Portfolio
Academic Scholar
United Arab Emirates

academic excellence

leadership and public speaking

community engagement

enrichment activities

sports

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academic excellence

ACADEMIC SCHOLAR

A dynamic academic scholar, changemaker, and leader whose remarkable achievements reflect her steadfast drive for excellence. From spearheading environmental conservation projects to representing her school in leadership programs, she remains committed to growth and positive change.

SLT Prefect & House Captain

Honored to be elected for the SLT Team as Prefect - a role that allows me to support and advocate for my peers, and be selected as the female representative for 'Fire' House at Aspen Heights.



Principal's Award Winner



Principal's Award Recipient

Awarded in recognition of outstanding contributions to the school throughout the academic year.

academic excellence

STEAM

Aspen Heights Science Fair 2024:

At the Aspen Heights British School Science Fair, our goal was to create sustainable and eco-friendly solutions for the environment. I combined my passion for computer science, design technology, and physics to develop an innovative 'Rotating Solar Panel.' This project involved extensive research and iterative experimentation. Using an Arduino Uno, I engineered a solar panel system that dynamically adjusts its position to face the strongest light source, utilising motors, a Light Dependent Resistor (LDR), and LEDs to optimise energy capture.



100% Scholarship Award - Immerse Education Competition 2023



Immerse Education - Certificate of Completion for the Oxbridge Research Programme in Artificial Intelligence

Participated in the Oxbridge 1:1 Artificial Intelligence Research program with Immerse Education, specializing in the study of Deepfakes and their societal implications.

Conducted extensive research on **Deepfakes**, exploring their technological advancements and societal impact. Under the mentorship of a Cambridge University tutor, I analyzed their potential and ethical challenges in a research essay, which is also published on **Medium**.

Explored diverse subjects during my research, such as:

- Machine Learning fundamentals
- Linear and nonlinear models
- Training Artificial Neural Networks
- and Reinforcement Learning pipelines.



Scan to read my essay!

Essay Competition 2024 50% Scholarship Award



Published Essay on Gulf News - AI and Society

GULF NEWS



GULF NEWS

DUBAI 38°C

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Readers' Letters: Water crisis is real and serious, will computers and AI take over society in t...



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2m read

Will computers and AI take over society in the future?

The idea of computers and artificial intelligence (AI) taking over society has been discussed for many years. However, it is a contentious subject that has started many debates, with some people believing it will happen and others thinking it is just science fiction.

Firstly, understanding what we mean by 'taking over society' is important. When people talk about computers and AI taking over, they usually mean that these technologies will become so evolved that they can make decisions for humans and regulate many aspects of our lives. This could include driving cars, making medical decisions, and even deciding who gets hired for a job. One argument for computers and AI taking over society is the idea of 'singularity.' Singularity is a hypothetical point in the future when AI will become so advanced that it will be able to improve itself at an exponential rate. This means that it will quickly become much smarter than humans and will be able to make decisions that we cannot even begin to understand. However, many arguments exist against computers and AI taking over society. One of the main arguments is that computers and AI are only as intelligent as the humans who program them. This means they can never make decisions independent of human influence. For example, a self-driving car may decide when to stop and go based on its programming, but it will never be able to determine whether to run over a pedestrian. These kinds of decisions will always need to be made by humans.

Another argument against the idea of computers and AI taking over society is that humans are adaptable.

While computers and AI may be able to perform specific tasks better than humans, humans can still learn and adapt to new situations. This means that even if computers and AI become more advanced, humans will still be able to find new ways to add value to society and make a difference in the world.

Furthermore, there are ethical considerations to take into account. For example, who would be responsible for their actions if computers and AI were to take over society? Would it be the programmers who created them or the AI itself? And what about issues like privacy and data security? If computers and AI controlled so much of our lives, who would ensure that our personal information was being kept safe?

In conclusion, while the idea of computers and AI taking over society is a popular topic of discussion, it is unlikely that it will happen very soon. While these technologies are becoming more advanced, humans can still adapt and learn, and we will always be needed to make crucial decisions that cannot be automated. Additionally, ethical issues must be kept in mind, when considering the role that computers and AI might play in the future. As we continue to develop these technologies, we must carefully assess their impact on society and ensure we use them responsibly.

From Ms Muskaan Mehr Niyas

Sheikh Sultan Award

Applying for the Sheikh Sultan Award has been a transformative experience.

This award challenges me to develop skills beyond the classroom while fostering crucial skills such as;

Resilience, Leadership, and a deep sense of **community responsibility**.

As part of this journey, I actively engaged in 3 key areas:

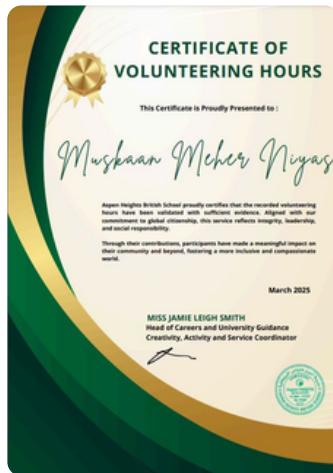
1. Adventure
2. Fitness & Wellbeing
3. and Volunteering

Each of which pushed me to grow in unique ways.

This experience has strengthened my **resilience, leadership, and commitment** to service. The Sheikh Sultan Award wasn't just a challenge—it was a catalyst for growth, pushing me to make a lasting impact. I move forward with the drive to lead, inspire, and give back.



Sheikh Sultan Award - Portfolio
Name: Muskaan Mehr Niyas



Record of Volunteering Hours	
Experience	Hours Validated
Tutor at The Tutoring Center Franchise	13
Global Wellness Day Event at Jubail Mangroves Island	3
Healthcare Internship	40
New York University Slam Dunk Nurdle Hunt NBA Beach Clean-Up Challenge	2
Inclusion Conference Hall Coordinator	8
Swimming Gala ADISSA Sports Student Volunteer	3
DAIGON BEML Esports Competition Mentor/Volunteer	15
EVGP Electric Vehicle Grand Prix	8
Mental Health Ambassador	12
Total	194

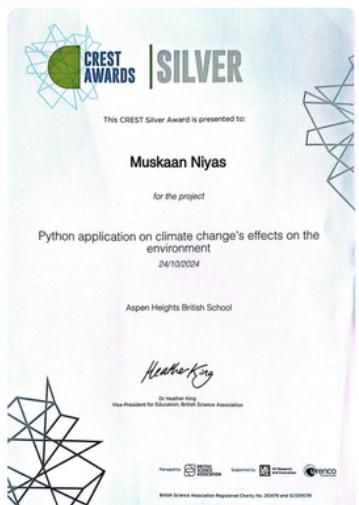


CREST Silver Award Winner 2024 -2025

Applying for the prestigious **CREST Awards**, I was awarded the **Silver Award** for developing a Python-based app that merges technology with research to address one of the world's most pressing challenges

Climate Change.

Driven by a greater purpose, I conducted an in-depth study on the underlying causes, environmental impact, and statistical trends of climate change, using data analysis and visualisation to uncover critical insights, and provide methods of mitigating this issue. This project fueled my passion for innovative solutions, reinforcing my commitment of interconnecting technology and science to drive real change in the future.



Top Honors: Winning the BSME Arabic Challenge

Working with the Aspen Heights British School team to achieve first place in the Education Perfect BSME - British Schools in the Middle East Arabic Challenge 2024 was a remarkable journey.



Participated in the global High School Academic Research Competition (SARC), where I investigated the impact of technology on daily life.

My study delved into the intricate relationship between technology and our routines, uncovering its profound influence on various aspects of modern society.

Global High School Academic Research Competition (SARC)

Higher Project Qualification (HPQ)

For my **HPQ Level 2** research, I conducted an in-depth investigation into the role of technology in surgery, exploring the question:

"What Factors Influence Your Preference for a Human Surgeon or a Robotic System When Considering a Surgical Procedure?"

I investigated how robotic-assisted surgery is changing healthcare, looking at its precision, efficiency, and impact on patients, while also considering the importance of human skill, intuition, and decision-making. Through my research, I found that the future of surgery lies in balance—where technology enhances a surgeon's abilities but never replaces the expertise and judgment that only a human can provide.

"What Factors Influence Your Preference for a Human Surgeon or a Robotic System When Considering a Surgical Procedure?"

Name: Muskaan Mehr Niyas

School: Aspen Heights British School

Introduction:

Medical procedures are a critical component of healthcare. With advancements in technology continually shaping the landscape of medical interventions, robot-assisted surgeons (RAS) have gained prominence due to their potential for enhanced precision and minimally invasive techniques. The adoption of robotic-assisted surgery saw a significant rise in the early 2000s, largely due to advancements in artificial intelligence and laparoscopic techniques.

Between 2021 and 2024, the percentage of general surgery procedures utilising robotic technology increased from approximately 1.8% to 17%, thus reflecting its growing acceptance within the medical community¹. However, despite its advantages, many patients and medical professionals still debate whether robotic systems should replace human surgeons. This essay explores the various factors that influence a patient's preference between human versus robotic systems.

Leadership and Public Speaking

Suriname's Model UN Ambassador at CIAMUN

As a Delegate of Suriname, I had the opportunity to participate in the **CIAMUN Model United Nations** conference. At the conference, I represented Suriname and worked with other delegates to tackle some of the most pressing issues facing our world today, such as the Regulation of Recovery Drugs.



Accomplished Speaker at Cambridge Cup Public Speaking

I entered the Cambridge Cup Public Speaking Competition, delivering speeches on various topics related to mental health and well-being.



Transition Ambassador Team Leader

As the team leader for the Transition Ambassador program, I oversee and guide a group of students who are dedicated to facilitating young learners develop the necessary skills in making a successful transition to secondary school.

Certified Mental Health Ambassador

I am officially qualified by '**Mind Your Health Ltd**' - a specialised organisation that provides CPD training and courses in mental health, equipping individuals with the tools to enhance their wellbeing. As Mental Health Ambassador for Aspen Heights British School, I use this training to create a supportive and inclusive environment where mental health comes first.

As a Mental Health Ambassador, I am committed to promoting:

- Mental wellness
- Offering resources
- and fostering an open, supportive culture where students feel confident in seeking help and prioritising their wellbeing.



Leadership and Public Speaking

Leadership & Diplomacy Program

Honoured to have attended the **Leadership and Diplomacy Programme**, 2024, organised by the **Ministry of Education**. Participating in the UAE Model United Nations under the UNEP Committee was an invaluable experience.



Tortoise Tank Business Pitch

At the AHBS Tortoise Tank competition, I led the initiative for innovative business solutions tailored to enhance the Aspen Heights community. The standout concept, the '**Incubation Hub**', emerged as the winning idea. This initiative is designed to empower students, fostering the development of entrepreneurial ventures.



community engagement

Global Wellness Day 2024

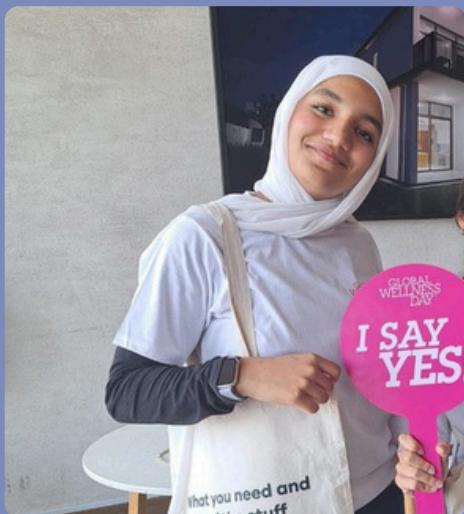
Volunteered at the **Global Wellness Walk at Jubail Mangroves Island**, a valuable opportunity to promote environmental awareness and citizen science. During the 2km walk, I engaged participants in using the **iNaturalist** app to document local biodiversity as part of the **BioBlitz Challenge**. This initiative encouraged observing and recording unique wildlife, fostering a deeper understanding of ecosystem conservation and the importance of preserving mangrove habitats.



community engagement

Global Wellness Day Volunteer at Jubail Mangrove Park, Abu Dhabi

Volunteering at the Global Wellness Day celebrations at Aspen Heights British School, I experienced the impactful outcome of our efforts in promoting holistic well-being. Activities like yoga and dance fitness underscored our dedication to enhancing both physical and mental health within our school community.



June 8 2024



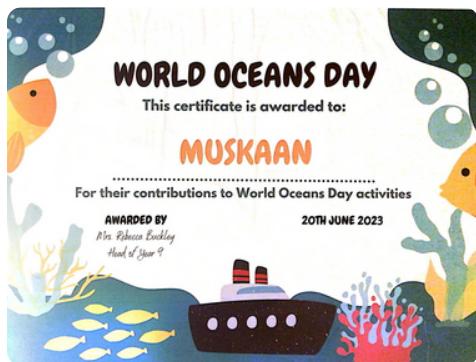
community engagement

Active Ambassador of Sustainable Living:

Our school is embarking on an incredible journey towards environmental responsibility with the launch of our innovative recycling project - **Yalla Return**. Thrilled to be part of the first school in Abu Dhabi to collaborate with **Yalla Return!**

World Oceans Day Student Volunteer

Awarded for contributing to World Oceans Day Celebrations.



Ahlan! Aspen Podcast: Global Wellness Day Speaker

Hosted an episode on the **Ahlan! Aspen Podcast**, focusing on the significance of wellbeing. Led insightful conversations with Global Wellness Day Ambassadors, Mental Health Counselors, students, and more in celebration of Global Wellness Day.



community engagement



New York University Abu Dhabi (NYUAD) - Lead Volunteer

Volunteered in the NYUAD Community Outreach for the Great Nurdle Hunt event to collect nurdles and learn about plastic pollution. I was chosen as a Lead Volunteer and our team achieved 3rd place out of 11 overall in the competition.



Student Volunteer at New York University Abu Dhabi (NYUAD)

Volunteered at the NYUAD's 10th annual Inclusion Conference, which focuses on advancing inclusion in educational settings in the UAE. The conference brought together families, caregivers, educators, leading professionals, and community members who share the common goal of creating a more inclusive society.



community engagement

Slam Dunk Nurdle Hunt: National Basketball Association (NBA) Beach Clean-Up Challenge

Lead Volunteer for the Slam Dunk Nurdle Hunt: National Basketball Association (NBA) Beach Clean-Up Challenge! Teaming up with NBA stars like Denver Nuggets' Gabe McGlothan and connecting with YLN alumni to tackle plastic pollution on Saadiyat Beach was an unforgettable experience. From collecting nurdles along the shore to learning about the impact of plastic waste, it was inspiring to make a real difference with an amazing crew.



community engagement

Volunteered as a New York University Abu Dhabi Pit Marshall: Electric Vehicle Grand Prix in Abu Dhabi

Volunteered as an NYUAD Pit Marshall at the Electric Vehicle Grand Prix in Abu Dhabi, held at Al Forsan International Sports Resort. Witnessed the enthusiasm of 400 students from 21 UAE schools, along with five US teams, and one each from Egypt and Italy, as they explored STEM concepts.

جامعة نيويورك أبوظبي
NYU | ABU DHABI



enrichment activities

Youth Leadership Network Program: New York University Abu Dhabi

During my participation in the **New York University Abu Dhabi Youth Leadership Network Program**, I had the privilege of engaging in in-depth discussions about COP28 UAE, participating in engaging debates, and actively contributing to meaningful conversations regarding the mitigation of climate change and the development of sustainable solutions.



enrichment activities

Sustainability Academic Program - Powered By ADDC (2024)

As an environmental enthusiast, this program has been transformative. ADDC's dynamic approach equipped me with vital skills and knowledge to rethink our consumption habits and advocate for sustainability.



New York University Abu Dhabi Astronomy Camp (2024)

Participated in the NYUAD Astronomy Camp in partnership with the Center for Astrophysics and Space Science, where I had the opportunity to explore the wonders of the cosmos. The experience was further enriched by a fascinating field trip to the Sharjah Planetarium.



Generative AI & Prompt Engineering Bootcamp with 42 Abu Dhabi (2024)

Explored cutting-edge technologies and discovered the wonders of AI and its real-world applications. Enhanced problem-solving skills by tackling engaging projects to boost critical thinking and creativity.



Artificial Intelligence Discovery Program: Mohamed bin Zayed University of Artificial Intelligence

Attending the Mohamed bin Zayed University of Artificial Intelligence (MBZUAI) program was another defining experience. Learning about Generative AI, Machine Learning, Neural Networks, and AI for Humanity wasn't just about understanding the technology—it was about realising its potential to shape the world.

The mentorship from Ms. Petra Jeffery, Dr. David Santandreu Calonge, and Mr. Alexander Yee pushed me to think beyond what's possible today and imagine what's possible tomorrow.



Emaratipreneur Majlis at the Al Falah Community Hub in Abu Dhabi

I had the privilege of engaging with **Abdullah Al Salmani**, co-founder and CEO of SpacePoint, and **Ayman Al Awadhi**, gaining valuable insights on youth leadership and innovation in the UAE.

Key takeaways from the discussions included:

- Fully understand a challenge before attempting to solve it
- Understand the market and industry landscape
- Build meaningful professional connections
- Cultivate a diverse portfolio and pursue work you are passionate about
- Embrace mistakes and learn through practical experience

The engagement also highlighted the expanding innovation ecosystem in the UAE, with initiatives such as MBZUAI's AI projects for sustainability and the launch of the Congress X Youth Innovation Awards 2025.

These experiences reinforced the role of **youth** as active contributors to shaping the future.



From Abu Dhabi to the World: Genomics, AI and the New Age of Biotech at Hub71

Attending the precision medicine and genomics sessions at Masdar City, Abu Dhabi, was a defining experience.

Exploring AI, genomics, large-scale data, and proactive healthcare made me realise its potential to transform medicine. The mentorship of **Dr. David Bearss, Co-Founder and President of Halia Therapeutics; Tiago R. Magalhaes, Vice President of Bioinformatics at M42; and Katrina Barker, a member of UCL's Innovation Ecosystems Laboratory (IEL)**, inspired me to think beyond current treatments and envision the future of personalised, preventive medicine.



Robotics & Embedded Systems Trainee | Ektashif

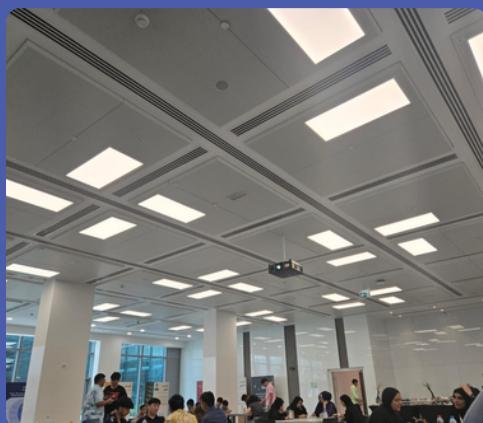
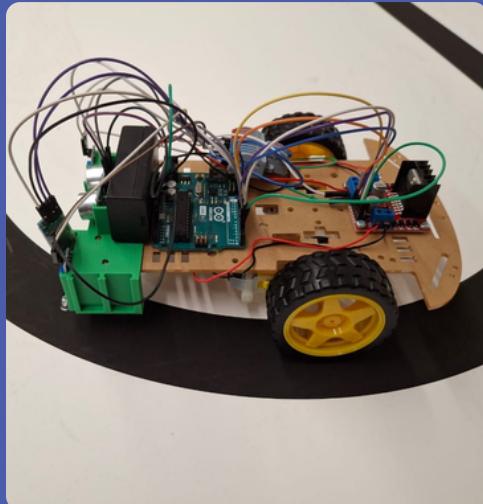
Outreach Program at Khalifa University

Autonomous Robotics Project (Arduino, C++, Sensor Integration)



Over the course of two weeks, I designed and developed a fully autonomous line-tracking vehicle using Arduino microcontrollers. The project required programming in C++ and integrating multiple hardware components, including:

- Infrared sensors for path detection
- Ultrasonic rangefinders for obstacle avoidance
- Bluetooth modules for wireless control



This experience marked my first exposure to embedded microcontrollers and real-time robotics programming. I gained hands-on expertise in translating computational logic into physical system responses, combining code, sensors, and hardware into a functional multi-sensor platform.

Through mentorship from Prof. Suma Rao and Dr. Ahmed Ali, as well as close collaboration with peers, I overcame initial challenges and developed a deeper understanding of embedded systems, robotics, and applied problem-solving.

sports and

well-being

Secondary Netballer of the Year

Awarded Best Netballer of the Year for Aspen

Heights British School's Sports Awards

Ceremony 2024. Leading the team as Captain and being acknowledged for my outstanding performance and skills is incredibly rewarding.



CERTIFICATE

OF ACHIEVEMENT

This Certificate is Presented To :

Muskaan Niyas

Secondary Netballer Of The Year



Netball Captain (U16s Girls AHBS Team)





sports and well-being



Certificate Of Achievement

Participation in the U16s Girls Netball Team.



Certificate of Achievement

Participation in the AHBS U16s Girls Basketball Team.



ADISSA Swimming Gala Student-Athlete Volunteer

At the ADISSA Swimming Gala in May 2024, contributed as a student-athlete volunteer with the Abu Dhabi Aquatics Club, overseeing competition flow, managing timers, and directing athletes to ensure a well-organised event.



Certificate of Achievement

For Volunteering for the ADISSA Swimming Championship.



Participated in the Healthy Active Lifestyle at AHBS

Engaged in the Healthy Active Lifestyle program at Aspen Heights British School on Thursday, January 11, 2024.



sports and well-being

Student Mentor

Mentored for the AHBS Secondary Students team for the BSME (British Schools in the Middle East) **DAIGON Esports Competition**.

Spearheading the inception of the first-ever Esports team at AHBS and leading them to success in the competition, and reach the final round and were placed among the **top 8 schools in the Middle East!**



"Let's Talk - Athletes Speak" Forum Speaker

As the Netball Captain and a member of the Basketball and Golf teams, I had the privilege of sharing valuable insights on balancing the intense pressures of competitive sports with maintaining mental well-being.





Summer Internship at Aster DM Healthcare

During my 2- week healthcare internship at Aster DM Healthcare, I actively participated in diverse departments, gained hands-on experience, deepen my understanding of healthcare operations, and developed valuable skills essential for my future career aspirations.

Aster 

August 23, 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Maskaan Nyiaa**, has successfully completed her observership in Operations Department from 03rd July 2024 till 16th July 2024 at Al Rafa Medical Centre, Abu Dhabi.

During this period, she was made aware of multiple processes in Operations and was found to be punctual, hardworking, and inquisitive.

We wish her every success in her future endeavors.





March 11, 2025

To Whom It May Concern,

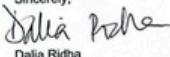
This is to certify that Muskaan Mehr Niyas has worked as an Intern at The Tutoring Centre Franchise Corp Abu Dhabi(Brain Stimulation and Training Center L.L.C), a franchise of The Tutoring Centre, California, United States.

During her tenure, Muskaan provided one-on-one instruction using the Rotational Approach to Learning, a structured and engaging methodology that promotes deeper comprehension and independent thinking. Through her dedication and guidance, she helped young learners develop essential problem-solving skills, fostering their confidence, resilience, and motivation to tackle academic challenges effectively.

Her commitment to personalized instruction and her ability to create a nurturing and stimulating learning environment made a significant impact on the students she mentored. Muskaan demonstrated strong leadership, adaptability, and a passion for education, making her a valuable asset to our team.

We sincerely appreciate her contributions and wish her the best in all her future endeavors.

Sincerely,


Dalia Ridha



• 74 Butti Ben Mohammed Al Qubaisi St - Khalifa City Abu Dhabi
• +97126742276, +971542442276
• www.thetutoringcenter.com

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Work Experience

As an **Academic Mentor** at **The Tutoring Center Franchise Corp**, where I provide **one-on-one instruction using the Rotational Approach to Learning**, a structured and engaging methodology that promotes deeper understanding and independent thinking.

This role allows me to create a meaningful impact, empowering students to reach their full potential through personalised learning and mentorship.



Work Experience

Team Liaison Officer and **Front of House** at the **Netball Cup 2025** held at Al Nasr Club Sports Hall in Dubai.

This World Netball recognised, week long event brought together six national teams ranked between 18th and 30th in the world: UAE, USA, Republic of Ireland, Singapore, Kenya, and Namibia.

Being able to support the teams both on and off the court was an incredible experience.

As a netballer myself, it was inspiring to be part of a tournament celebrating women's sport in the region.



Recommendation Letters



February 2023

To Whom It May Concern,

I am writing to provide a reference for Muskaan Mehr Niyas, a student in Year 9 at Gems Cambridge International School. As her form tutor, I have had the privilege of working closely with Muskaan over the past academic year. Muskaan is a polite and well-mannered student who has proven to be a great addition to our form class since joining a few months ago. Muskaan has consistently demonstrated a positive attitude towards learning and is always eager to take on new challenges. She is a hardworking and dedicated student who consistently strives for excellence in all of her subjects.

Muskaan has a strong sense of responsibility and is a dependable member of the school community. She regularly goes above and beyond in her form duties, showing initiative and a strong work ethic as evident in our recent class assembly on Good Health & Wellbeing. Her positive attitude and friendly demeanour make her a popular and well-respected member of the form group. Muskaan has also demonstrated leadership potential, consistently showing empathy and consideration for others most noticeably when running for class elections and participating in various sports teams.

Muskaan's attendance and punctuality record have also been exemplary since joining Gems Cambridge International School. She always displays correct uniform and her behaviour has been of a very high standard throughout this time. She is quite simply a role model for our younger learners.

In conclusion, I have no doubt that Muskaan will make a valuable contribution to your institution. She is a talented and motivated individual with a bright future ahead of her. I would be happy to provide further information if required and I highly recommend for admission.

Yours sincerely,

Mr. Matthew Gaughan
9J Form Tutor & Teacher of Mathematics



PO Box 56825, Abu Dhabi, United Arab Emirates
T +971 (0)2 510 4343 | F +971 (0)2 584 4560
W: gemscabridgeinternationalschool-abudhabi.com

[Linkedin.com/company/gems-education](https://www.linkedin.com/company/gems-education)
 @gems_ME
 gemseducation.com

Recommendation Letters

Recommendation for Muskaan Mehr Niyas

Cambridge, United Kingdom

1st of September 2023

To whom it may concern,

This is a recommendation letter for Muskaan Mehr Niyas. I have been tutoring Muskaan in the Artificial Intelligence (AI) course as part of the Immerse Online Programme, from the 17th to the 28th of July 2023.

My name is Massimiliano Patacchiola, currently affiliated with the University of Cambridge as a researcher in the field of Machine Learning and Artificial Intelligence (AI). During my career I have worked and collaborated with top-tier academic institutions and companies such as the University of Edinburgh, Microsoft, Huawei, and Snapchat. I have published work in the most important conferences and participated in a number of committee and workshops actively influencing the academic community.

In this letter I would like to outline that Muskaan's dedication and active involvement in the course have been truly impressive. Muskaan consistently displayed a positive attitude, approaching the course with enthusiasm and a strong commitment to learning. Active participation in discussions, practical exercises, and examples underscored Muskaan's genuine interest in the subject matter. Regular assessments of Muskaan's progress revealed a solid understanding of various AI topics, including Machine Learning fundamentals, linear and non-linear models, Artificial Neural Network training processes, and the overall structure of Reinforcement Learning pipelines.

Throughout our tutoring sessions, Muskaan demonstrated important learning outcomes. Muskaan has a knack for breaking down complex concepts into manageable sub-topics, making the learning process more effective. Additionally, Muskaan adopted a systematic, step-by-step approach to study sessions, enhancing comprehension and retention. The use of practical examples and metaphors further facilitated the absorption of technical content.

Muskaan's choice of the research project, "An Overview of Deep Fakes," was commendable. It showcased a clear vision and the ability to define research objectives effectively. The meticulous research and organization of academic papers resulted in a well-structured document. Muskaan's dedication during the proposal writing phase and the knowledge gained from this project will undoubtedly prove invaluable in future academic pursuits.

In conclusion, Muskaan Mehr Niyas has excelled as a student in the AI course. Muskaan's personal attributes, coupled with the acquired skills and knowledge, set the stage for a promising professional journey. Do not esisthate to reach out if you need additional details.

Sincerely,

Massimiliano Patacchiola, PhD

Recommendation Letters



To Whomsoever It May Concern,

It is with great enthusiasm that I write this letter in support of Muskaan Mehr Niyas, an exceptional student whose intellectual curiosity, leadership, and commitment to excellence make her a remarkable individual. As her form tutor for Years 10 and 11 at Aspen Heights British School, I have had the privilege of witnessing her academic journey, personal growth, and contributions to our school community.

Muskaan is a driven and dedicated student who consistently demonstrates an insatiable thirst for knowledge. She is a recipient of the Academic Scholar Award, reflecting her outstanding academic performance across subjects. Her passion for science, technology, engineering, arts, and mathematics (STEAM) was evident in the Aspen Heights Science Fair 2024, where she designed and engineered an innovative 'Rotating Solar Panel' using Arduino technology to optimize energy capture. Her ability to merge theoretical knowledge with practical application sets her apart as an innovative thinker.

Beyond academics, Muskaan is a natural leader and an advocate for her peers. She has served as a Student Council Representative, ensuring student voices are heard while fostering a collaborative school environment. Her entrepreneurial mindset shone through the Tortoise Tank Business Pitch, where she led her team to develop the winning concept—the 'Incubation Hub'—aimed at empowering student-led ventures. Her leadership extends to the Leadership and Diplomacy Program organized by the Ministry of Education, where she actively engaged in discussions at the UAE Model United Nations under the UNEP Committee.

Muskaan's commitment to community service and sustainability is exemplary. She has been an Active Ambassador of Sustainable Living, spearheading initiatives such as the Yalla Return Recycling Project, making Aspen Heights the first school in Abu Dhabi to collaborate with this program. Her dedication to environmental conservation was further evident in her role as a Lead Volunteer for NYU Abu Dhabi's Great Nurdle Hunt, where she helped raise awareness about plastic pollution. She also contributed to advancing inclusion through her volunteer work at the NYUAD Inclusion Conference.

Her passion for sports and teamwork is equally impressive. As Netball Captain, she has led her team to success, earning the title of Best Netballer of the Year at the AHBS Sports Awards 2024. Additionally, she has actively participated in basketball, golf, and the ADISSA Swimming Championship, where she also volunteered to support event organization. Muskaan's ability to balance academic rigor, leadership responsibilities, and athletic commitments is a testament to her time management and resilience.

Her pursuit of intellectual enrichment and lifelong learning extends beyond school. She has attended NYU Abu Dhabi's Youth Leadership Network Program, where she participated in discussions about COP28 and climate change mitigation. She has also completed specialized programs such as the Generative AI & Prompt Engineering Bootcamp with 42 Abu Dhabi and the Sustainability Academic Program powered by ADDC, further strengthening her expertise in emerging fields.

Recommendation Letters



In addition to her academic and extracurricular achievements, Muskaan is a compassionate, hardworking, and forward-thinking individual who inspires those around her. Her ability to seamlessly integrate her interests in science, leadership, and community engagement makes her an outstanding individual in any field she chooses to pursue. I have no doubt that she will continue to excel and make meaningful contributions wherever she goes.

I wholeheartedly recommend Muskaan Mehr Niyas and am confident that she will thrive in any academic or professional setting. Please feel free to contact me should you require any further information regarding her qualifications and character.

Chriselda Goveas
IB and iGCSE Economics Teacher
Form Advisor - Year 11 Aryam

Recommendation Letters



To whom it may concern,

I am writing to recommend Muskaan Mehr Niyas for a student internship program at your esteemed organisation. Muskaan has distinguished herself as an academic scholar and student representative at Aspen Heights British School, Abu Dhabi, showcasing exceptional leadership and communication skills through public speaking engagements and demonstrating commitment to physical wellness and teamwork as a dedicated athlete.

As a scholar, Muskaan has participated in many scholarship collaboration afternoons where she has consistently displayed excellent leadership qualities and collaborative abilities, which are reflected in her numerous academic achievements.

Muskaan's entrepreneurial spirit is evident from her success in the Tortoise Tank competition where she shared an innovative business pitch. Her diverse skills and passion for learning, particularly in life sciences and staying abreast of the latest developments, highlight her readiness for real-world exposure in her field of interest.

Muskaan's proactive participation in outreach programs at NYU Abu Dhabi further demonstrates her dedication to continuous learning and practical application of knowledge.

I am confident that Muskaan has the potential to excel in an internship program at your organisation and contribute meaningfully to the team. She possesses the necessary academic knowledge, skills, understanding and personal qualities to succeed in a dynamic and fast-paced work environment.

I believe she will make a positive contribution during her internship.

If you have any questions please email headofsecondary@ahbs.ae

Yours sincerely,

Dr Kate Plumb
Head of Secondary
Aspen Heights British School



muskaanmehrniyas@gmail.com



United Arab Emirates



www.linkedin.com/in/muskaanniyas

muskaanniyas.com



Muskaan Niyas

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