

RISING ENGINEER OF THE YEAR

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BK Gulf LLC

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CONTECH RISING STAR OF THE YEAR CONSTRUCTION TECHNOLOGY AWARDS 2024

Eng. Mariam Alqaydi



Introduction



I would like to nominate Eng Mariam Alqaydi for the Rising Engineer of the Year. My nomination is not based on only one year of exceptional performance but on consistent achievements which culminated in the last 12 months to prove her exponential growth and performance in challenging times. Whilst my main reason for nominating Mariam is her people skills and promotion of equality in the construction industry, I also wanted to highlight in this document her achievements in delivering engineering solutions.

The views and evidence provided in this submission are supported by my colleagues as well as professionals from other organisations who have dealt with her. They have provided testimonials to reflect the support of the nomination.

I have personally worked closely with Mariam over the past year, and she has been amazing throughout the year. Always improving day in and day out. Marking her presence within the company and project known as a reliable colleague despite her young age. She has truly shown the spirit of perseverance in the unrelenting world of MEP contracting.

Ghanim Al Marri- Dutco Group Government & Emiratization Manger

BIO



Mariam Alqaydi is a Mechanical Engineer for BK Gulf. Her educational journey began with the successful completion of a Bachelor's degree in Mechanical Engineering from the esteemed United Arab Emirates University. This academic foundation provided her with a strong theoretical understanding of mechanical systems and engineering principles, which she has since translated into practical expertise during her time at BK Gulf. Additionally, She started her master's degree in Construction management at AUD to expertise more in the field.

Beyond her academic achievements, Mariam is a highly experienced professional in the field of **Data Centers**, with a specialization in managing facilities with a power capacity of up to **20 MW**. Her extensive expertise and knowledge in Data Centers have been instrumental in successfully executing projects and delivering exceptional results. played a crucial role in securing significant data center projects with power capacities exceeding **100 KW**. Her strategic insights, technical skills, and dedication to excellence have contributed significantly to the successful completion of these projects. Her track record of success and commitment to delivering high-quality solutions make her a trusted and respected professional in the industry.

Cultural Change





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Mariam embarked on her journey with BK Gulf in 2022, bringing her unique blend of skills and experiences to the team. Her story is one of dedication, innovation, and the determination to challenge conventional norms within the engineering profession.

Mariam's impact at BK Gulf was immediate. She embraced the challenges presented by her position and set out to redefine the boundaries of what was possible. Her commitment to excellence and her natural ability to lead by example quickly caught the attention of her peers and superiors alike.

Furthermore, Mariam's dedication to promoting diversity and inclusivity within the company was truly commendable. She recognized the importance of challenging stereotypes and breaking down barriers, and she actively worked towards creating a more equitable and inclusive work environment.

Mariam's journey at BK Gulf serves as a testament to her unwavering commitment to excellence, her innovative spirit, and her passion for positive change. Her contributions have not only advanced the company's mission but have also set a standard of excellence for her peers and future generations of engineers to follow.



Outstanding⁺ Leadership

MEP Awards 2023

In a demonstration of trust and recognition from the company, Mariam had the opportunity to represent her manager Dr. Aly Diab, as a delegate at the MEP awards ceremony in 2023. This role showcases her ability to represent BK Gulf professionally and highlights her dedication to the field of MEP engineering and the trust that the higher management has in her and her future potential in the field



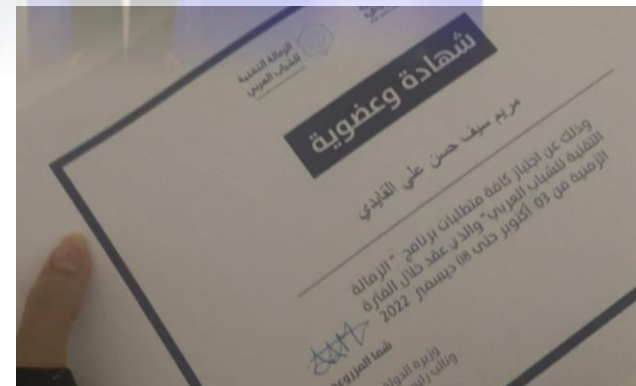
AYC Artificial Intelligence Fellowship Membership



- Her involvement in a series of sessions, workshops, training, open discussions, and meetings with industry experts in collaboration with regional and international partners showcases her dedication to staying at the forefront of her field.

- One of Mariam's key objectives is to bridge the digital skills gap, equipping herself with future technological skills that are in high demand in the job market. She understands the importance of staying relevant in a rapidly evolving digital landscape, and her proactive approach to acquiring these skills sets her apart as a forward-thinking professional.

- Moreover, Mariam is keen to grasp emerging trends in digital technology and put her knowledge to practical use. She is committed to launching projects that address pressing issues in the MENA region through the application of programming and artificial intelligence. Her goal isn't just personal development but also to leverage her expertise for the betterment of her community and region.





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PROFESSIONAL DEVELOPMENT



Mariam's unwavering dedication to continuous learning and improvement has been a driving force throughout her career. She has consistently sought out opportunities to expand her knowledge and expertise, whether through formal training sessions or hands-on experiences.

She has had the opportunity to participate in training sessions provided by renowned industry leaders such as Schneider Electric and ABB. These sessions have equipped her with a deep understanding of cutting-edge technologies, best practices, and international standards.

Additionally, she has undergone extensive in-house training on a multitude of mechanical systems, including Chillers, Fresh Air Handling Units, Pumps, Fuel Systems, Fan Coil Units, CRAH Units, Heat Storage Tanks, VFDs, VRFs, and more.

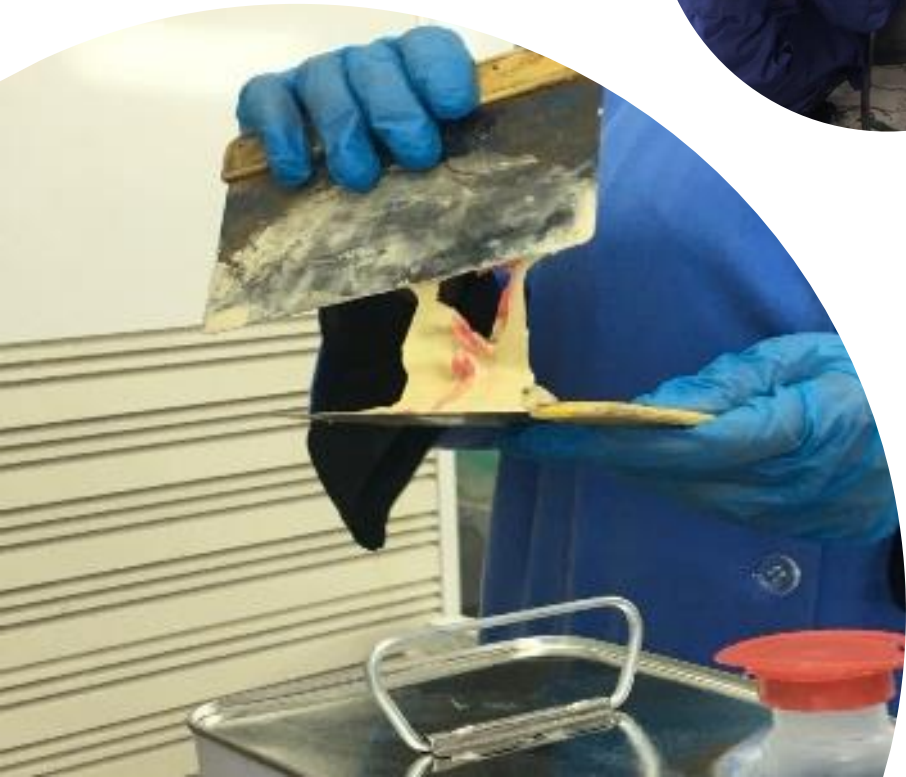
This diverse and comprehensive training has not only strengthened her problem-solving skills but has also allowed her to provide valuable insights and make informed decisions in various engineering projects.

Her commitment to staying at the forefront of industry development ensures that she can bring the best solutions and insights to every engineering endeavour she undertakes, fostering innovation and excellence in her field.





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- Mariam's internship at the UAEU General Vehicles Maintenance Department showcased her exceptional skills and dedication. She organized inspections, services, and repairs according to environmental regulations and prioritized environmental preservation. Mariam promptly reported any defects, minimizing disruptions. She also monitored vehicle life cycles and implemented replacement programs for efficiency. Additionally, Mariam developed a preventive maintenance plan to improve performance. Her adherence to regulations, commitment to conservation, attention to detail, and proactive approach made a significant impact on the department. Mariam's skills will undoubtedly contribute greatly to mechanical engineering in the future.

Site Operations Team Leader at Expo 2020 with UAEU pavilion

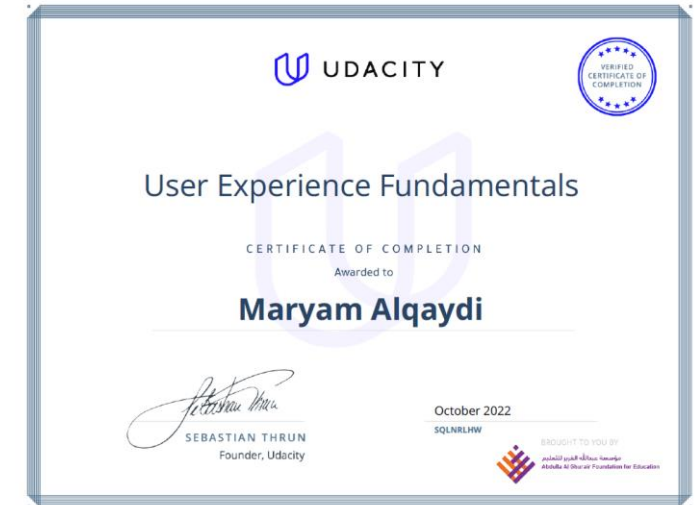
Expo 2020 was a grand global event that brought together nations, cultures, and ideas under a common platform. Amid the myriad of pavilions and exhibitions, Mariam emerged as a standout figure, showcasing remarkable achievements in her role as the Team Leader of the Site Operations Team at the UAE University Pavilion. Her contributions not only reflected her leadership capabilities but also underscored a set of core values that are instrumental in achieving success, including hard work and a willingness to accept diverse opinions

Moreover, Mariam's creativity enriched the pavilion's offerings. She developed engaging tasks and games for visitors, showcasing her innovative thinking and contributing to a memorable experience. Her vigilant oversight ensured an interruption-free environment for visitors, emphasizing her unwavering commitment to her role.

Beyond her accomplishments, Mariam acquired valuable values during her Expo 2020 journey. She learned the importance of hard work, understanding that success demands dedication and a strong work ethic. Mariam's Expo 2020 experience is an inspiration to aspiring leaders and highlights the significance of combining both to achieve excellence.



Some of the certificates





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ENVIRONMENTAL CONTRIBUTION

Introduction to LEED

LEED (Leadership in Energy and Environmental Design) **New Construction BD+C v.4**

LEED is the most widely used green building rating system in the world. Available for most building types, LEED certification provides a framework for healthy, highly efficient, and cost-saving green buildings, which offer environmental, social and governance benefits. LEED certification is a globally recognized symbol of sustainability achievement. Today there are more than 105,000 LEED Certified buildings in nearly 190 countries.

LEED seeks to optimize the use of natural resources, promote regenerative and restorative strategies, maximize the positive and minimize the negative environmental and human health consequences of the construction industry, and provide high-quality indoor environments for building occupants. Available for all building, community and residential project types, LEED provides a framework to create healthy, highly efficient and cost-saving green buildings.

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- In alignment with her steadfast commitment to sustainability, she has taken proactive steps to enhance her understanding and expertise in environmentally conscious practices.
- Specifically, she undertook LEED training as an integral component of her continuous development while working on the data center project. This specialized training program provided her with a comprehensive grasp of the principles and methodologies required to design and implement energy-efficient and environmentally friendly solutions.
- By attaining this knowledge, she is well-equipped to contribute meaningfully to projects that prioritize sustainability and adhere to eco-friendly standards.
- Her commitment to sustainability extends beyond mere rhetoric; it is a tangible aspect of her professional ethos, exemplified by her proactive engagement in LEED training and her ongoing contributions to environmentally responsible engineering solutions.



Significant Added Value



**Design &
Engineering
Manager at
BK Gulf**
PhD in
Management of
Projects



- I am delighted to offer my enthusiastic endorsement of Mariam's well-deserved nomination for the Rising Engineer Award, particularly in recognition of her exceptional technical prowess and her invaluable contributions to the success of our ongoing data centre project.
- Mariam's journey with our team has been a testament to her unwavering commitment to engineering excellence. Since joining our ranks, she has consistently demonstrated an insatiable thirst for knowledge, a deep passion for engineering, and a dedication to surpassing expectations. Her technical acumen is truly remarkable and serves as an inspiration to her colleagues.
- I've had the privilege of closely collaborating with Mariam on our challenging data centre project. In this critical role, she has been a driving force behind our achievements. Mariam's technical expertise, combined with her meticulous attention to detail, has played a pivotal role in shaping the project's success. She has been instrumental in the design and engineering phases, ensuring that every aspect adheres to the highest standards of quality and efficiency.
- Mariam's ability to confront complex technical challenges head-on and transform them into opportunities for innovative solutions has set her apart as a standout engineer. Throughout her tenure, she has encountered a multitude of technical hurdles, yet she consistently embraces them as catalysts for growth and improvement. Her adaptability and problem-solving prowess have not only elevated her own skills but have also made substantial contributions to the project's advancement.
- In essence, Mariam embodies the qualities of a technical leader and a forward-thinking engineer. Her dedication to technical excellence and her unwavering commitment to the success of our data centre project have been exemplary. I wholeheartedly endorse her nomination for the Rising Engineer Award, confident that she will continue to achieve remarkable milestones and inspire her peers in the field of engineering. This award would be a well-deserved recognition of her outstanding contributions to our organization and the industry as a whole.

Dr. Aly Diab
Design & Engineering Manager at BK Gulf



Emiratization
Consultant
at Dutco Group
Member of Board
of Emiratization In
Dutco
MBA

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- I am thrilled to provide a testimonial in support of Mariam's well-deserved nomination for the Rising Engineer Award. Mariam's journey within our organization has been nothing short of remarkable, and her contributions have been instrumental in driving innovation and progress in our field.
- One of Mariam's standout qualities is her unwavering dedication to excellence. From the moment she joined our team, she displayed an exceptional commitment to her work, consistently going above and beyond what is expected. Her passion for engineering and her thirst for knowledge have been truly inspiring to witness.
- I had the privilege of working closely with Mariam during a crucial engagement with government officials at the Emirati Human resources Development Council in Dubai where we met with His Excellency H.E. Abdulaziz Essa Alfalahi, Emiratization Recruitment Superintendent Emiratization. As part of our team, Mariam played a pivotal role in presenting our engineering capabilities and explained the process in the company and how she has been improving throughout her tenure this past year. Her technical expertise, meticulous planning, and exceptional communication skills were instrumental in making this meeting a resounding success.
- Mariam's ability to adapt to challenges and turn them into opportunities is one of her defining characteristics. Throughout her career at our company, she has encountered various obstacles, but instead of being deterred, she has consistently embraced these challenges as chances for growth and improvement. Her adaptability has not only strengthened her problem-solving skills but has also allowed her to contribute significantly to our projects and the company's success.
- I wholeheartedly endorse Mariam's nomination for the Rising Engineer Award. She embodies the qualities of an exceptional engineer, and her contributions are both noteworthy and inspiring. I am confident that Mariam will continue to achieve remarkable milestones in her career, and this award would be a fitting recognition of her outstanding achievements.

John Mowatt
Emiratization Consultant

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Conclusion

This nomination for an exceptional Mechanical Engineer who is a rising star within the organization and the field of construction technology. With less than 2 years of experience, she has quickly become a role model for embracing digital and advanced construction technology.

Her impactful contributions have positively influenced the organization's strategy, planning, and management processes. Mariam's ability to collaborate with internal and external stakeholders has led to impressive project results, showcasing her exceptional skills in fostering strong partnerships.

Mariam excels in this aspect by showcasing tangible outcomes such as improved time efficiency, safety measures, quality standards, cost-effectiveness, competitive advantage, and enhanced profitability. Her evidence-backed achievements solidify her position as a deserving nominee for ConTech Rising Star of the Year.