



Date of birth 23-01-1994	Nationality United Arab Emirates	Gender Male	Website https://rsekaii.github.io/
Place of birth Abu Dhabi	Marital status Married		

With a strong foundation in mathematics and extensive experience as an engineer, I thrive in environments that require precision, logical reasoning, and critical thinking. Alongside my professional experience, I have developed a growing interest in research, particularly in areas that combine mathematical rigor with practical impact. I am eager to leverage both my mathematical expertise and engineering background in a role that values analytical depth, research-driven innovation, and problem solving.

EDUCATION AND QUALIFICATIONS

Master of Science in Machine Learning Mohammed Bin Zayed University of A.I., Abudhabi	Aug 2024 - 2025
A Master's in Machine Learning with a strong emphasis on algorithm optimization, focusing on the development of efficient and reliable learning algorithms. In parallel, exploring uncertainty quantification through thesis-driven research aimed at understanding and managing predictive uncertainty in modern learning systems.	
Masters of Science in Mathematics American University of Sharjah, Sharjah	Sep 2021 - Dec 2023
Offers rigorous training in both pure and applied mathematics, providing broad exposure to diverse mathematical disciplines. Equips graduates with advanced skills in mathematical analysis, proof construction, and the application of mathematical methods to solve complex problems.	
Bachelor of Applied Science in Chemical Engineering Higher College of Technology, AbuDhabi	Sep 2013 - Jun 2017
Provides a solid foundation in chemistry, physics, and core engineering principles, with a focus on designing, analyzing, and optimizing chemical production processes for efficiency, safety, and sustainability.	

WORK EXPERIENCE

Senior Specialist - Gas Master Planning ADNOC HQ, AbuDhabi	May 2024 - Present
Lead strategic planning efforts to ensure seamless integration of supply and demand, optimizing operations and ensuring business continuity:	
<ul style="list-style-type: none">• Collaborate with ADNOC entities to develop and secure feed gas production plans, ensuring alignment with strategic business goals.• Consolidate government and industrial gas demand, integrating it with supply to form a cohesive and optimized Gas Master Plan.• Develop and evaluate strategic supply plans and scenarios to guarantee uninterrupted product delivery to customers.• Analyze and optimize the impact of feed gas quality and quantity variations, incorporating them into long-term production strategies.• Coordinate with stakeholders to streamline shutdown plans, minimizing operational disruptions and maximizing revenue opportunities.	
Senior Production Planning Engineer ADNOC Gas, AbuDhabi	Sep 2021 - May 2024
Led and coordinated production planning activities with a strong focus on optimizing operations and supporting decision-making:	
<ul style="list-style-type: none">• Collaborated with ADNOC Onshore, Offshore, and Sour Gas divisions to develop and secure feed gas	

production plans, ensuring alignment with ADNOC business objectives.

- Managed and optimized the increasing complexity of planning due to variations in feed gas quality and quantity, incorporating these factors into efficient production plans.
- Supported plants with production forecasts, coordinating with ADNOC Group Companies to ensure the continuous and reliable supply of associated and non-associated gas.
- Streamlined internal and external shutdown plans by coordinating with various divisions and operating companies, minimizing business impact while maximizing revenues.
- Developed mathematical models to support strategic decision-making and played a key role in advancing smart software solutions for production optimization.

Process Engineer

Oct 2019 - Sep 2021

ADNOC Refining, Ruways

Performed a variety of process engineering duties with a focus on analysis and problem-solving, including:

- Diagnosing process and corrosion issues, providing in-depth technical analyses, and recommending solutions to optimize performance.
- Monitoring plant and facility operations, preparing daily performance summaries, and implementing corrective actions to address abnormalities.
- Collaborating with Operations to conduct test runs, evaluate new chemicals, and adjust plant operations for improved efficiency.
- Offering technical support to plant personnel and test-checking alternative process solutions

REFERENCES

References available on request.