

Rakan Alasiri

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SUMMARY

Driven and ambitious Chemical Engineering student eager to apply a robust academic background. Passionate about data analysis, and intertwining project management with engineering principles. Aspires to utilize exceptional problem-solving skills to enhance operational efficiencies in a forward-thinking organization.

EDUCATION

Illinois Institute of Technology, Chicago, IL

AUG 2020 - DEC 2024

Bachelor of Science, Chemical Engineering ([View Transcript](#))

- Cumulative GPA: 3.71, Major GPA: 3.50, ABET Mathematics and Basic Science Requirements GPA: 3.74, [Faculty Choice Award 2024: Academic Excellence](#), Dean's List for four consecutive years, [Full-ride Scholarship](#)

WORK EXPERIENCE

Guest Services and Property Management Assistant

Airbnb listed property, Chicago, IL

NOV 2020 - DEC 2022

- Provided support and clear communication effectively for 18 international and domestic guests demonstrating high skills in communication and hospitality.

CERTIFICATIONS

- [Foundations of Project Management by Google - Acquired skills in project management across a variety of industries, understanding the lifecycle and methodologies essential to project success.](#)
- [Preparing Data for Analysis with Microsoft Excel by Microsoft - Mastered essential data analysis skills using Excel, focusing on practical applications in data preparation and manipulation](#)
- [Harnessing the Power of Data with Power BI by Microsoft - Developed key skills in data analysis and decision-making using Microsoft Power BI](#)
- [MATLAB Self-Paced Training by MathWorks](#)
- [Safety and Chemical Engineering Education Courses by American Institute of Chemical Engineers](#)

SKILLS

- **Tech:** Microsoft Excel | Google Suite | PowerBI | MATLAB | PetroSIM | Aspen HYSYS
- **Process:** Material & Energy Balance Calculations | Thermodynamics | PID Controller Principles

PROJECT EXPERIENCE

Project Name: [Cumene Production Plant Design and Profitability Analysis](#)

Role: Vice-Leader & promoted leader for the last five weeks of project

JAN 2024 – MAY 2024

- Received highest peer-evaluation score in all evaluation assignments (3x), indicating strong leadership, time-management, and teamwork skills. Received Project MVP Award.
- Demonstrated strong emergency response skills for leader absence by scheduling individual meetings with all team members to follow up and assign tasks regularly, resulting in successful project closure.
- Fully simulated plant operational process using PetroSIM, and conducted financial analysis.

Project Name: [Modeling and Control of Glucose Concentration in People with Type 1 Diabetes Mellitus](#)

Role: Team Leader & MATLAB code writer

SEP 2023 – DEC 2023

- Linearized, and represented, with 120 lines of MATLAB code, the state-space model for a given case study, demonstrating solid theoretical and practical understanding of linear algebra and MATLAB foundations.