

Yash Gokhale

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EDUCATION	Carnegie Mellon University	Pittsburgh, PA
	Master of Science in Chemical Engineering, 3.86/4.0	Dec 2020
	Relevant Coursework: Energy Storage System Design, Energy Policy & Economics, Supply Chain Optimization, Mathematical Modeling, Data Science for Public Policy	
	Institute of Chemical Technology	Mumbai, India
	Bachelor in Chemical Engineering, 8.23/10.0	Jun 2019
	Relevant Coursework: Energy Engineering, Environmental Engineering, Chemical Project Economics, Process Development, Process Control, Industrial Management	
SKILLS	Certifications: Electric Power Systems (Coursera), Energy: The Enterprise (Coursera), Sustainability Strategies (LinkedIn), Microeconomics principles (Coursera)	
	Programming: Python, R, SQL, VBA Macros, MS Excel	
	Software: MATLAB, AutoCAD, COMSOL, TABLEAU, Minitab, Julia, GAMS	
PROJECTS	Integrating EV batteries into microgrid to replace peaker plants	Jun 2020-Present
	<ul style="list-style-type: none">Developing a feasibility study plan to design stationary energy storage systems to address peak demand using process optimizationOptimizing battery chemistries and architecture to lower utility costsConducting HAZOP analysis for replacing coal-fired peaker plants with second use EV batteries	
	Studying impact of COVID-19 on clean energy investments and policies	Jun 2020-Present
	CMU COVID-19 Environmental Impact Project Team	
	<ul style="list-style-type: none">Performing benefit-cost analysis to generate avenues for clean energy fundingIdentifying opportunities to facilitate investments through review of current energy policiesLeading data analysis of the team to develop an interface for visualizing the trend in emissions and clean energy investments in real time	
	Global Optimization of Gas Lifting Operations	Jan 2020-May 2020
EXPERIENCE	<ul style="list-style-type: none">Maximized oil production of 200 oil wells with 98% accuracy using MILP solver in GAMSOptimized gas requirement curves using piecewise linear functions with supply constraints	
	Rosefield Energy Tech. Pvt Ltd.	Mumbai, India
	Strategy Intern	May 2019-Aug 2019
	<ul style="list-style-type: none">Analyzed global trends in electric vehicle investments through cost-benefit analysisDevised a techno-economic feasibility report for the oil and gas industry for the next decadeChalked out outreach strategies for promotion of electric vehicles through brainstorming sessions with the start-up team	
	Jacobs Engineering Group Inc.	Mumbai, India
	Consultancy Intern	May 2018-Aug 2018
LEADERSHIP	<ul style="list-style-type: none">Collaborated with the consultancy team to analyze the P&IDs for process accuracy and led the procurement of query list for optimum process equipment designDeveloped a Prototype Simulator to estimate cooling water make-up requirement in VBA Macros to lower water loss by 2%	
	Social Chair, CheMSA , CMU	Dec 2019-Present
	Organized working of social events catered to chemical engineering department	
	CMU Library Student Advisory Council Member	Jun 2020-Present
	Served as committee member to mentor incoming students on library facilities	