

Re.engineer in Action Mentoring Program



Chaitanya Kush

Family/Hobbies/Interest/Motto:

Traveling, volunteering, sports – cricket and soccer, politics and data analysis.

Family includes mom, dad and sister. The parents live in India and sister in an international student (like me) in the USA. Interested in learning project management and using my chemical engineering skills to solve real life problems. Live by the motto “Work hard, play hard”

Current Role:

Engineering Specialist – Deviation Management – Merck Sharp and Dohme

Professional/Educational Background:

- Masters – Chemical and Biochemical Engineering
- Bachelors – Chemical Engineering
- Certified Six Sigma Green Belt

Years of Experience:

- 3 years of manufacturing and operations experience

Work Passions:

Project Engineering

Emissions Controls Projects

Mass Balance - Life Cycle Assessment

Continuous Improvement Projects

Career Aspirations:

Use my skills and experience as a chemical engineer to help make a COVID – 19 vaccine

Design tools to optimize chemical manufacturing and make it eco friendly

Chaitanya Kush

Role: Engineering specialist – Deviation management - Merck

Education: ME – Chemical and Biochemical Engineering

Location: Philadelphia, PA



CURRENT EXPERIENCE:

- Responsible for life cycle assessment of deviations in pharmaceutical manufacturing , identify any product quality impact.
- Technical reporting of any deviations per Food and Drug Administration (FDA) requirements to justify the absence of product quality impact.
- Design corrective and preventive actions for continuous improvement of process.
- Ensuring process is being run per standard operating procedures, identifying and possible sources of continuous improvement in the process.
- Training employees and mentoring their operations based on changes in process and operations.

WORK EXPERIENCE:

- | | |
|---|----------------|
| • Merck Sharp & Dohme – Engineering Specialist | 2020 – Present |
| • Merck Sharp & Dohme – Associate Specialist | 2019 - 2019 |
| • GlaxoSmithKline – EHS Intern | 2019 – 2019 |
| • Rutgers University - Graduate Researcher | 2018 – 2019 |
| • Rutgers University - Part Time Lecturer | 2018 – 2019 |
| • DSM Sinochem Pharmaceuticals - Graduate Trainee | 2017 – 2018 |

CERTIFICATIONS and EDUCATION:

- ME Chemical Engineering, Rutgers University
- BE Chemical Engineering, Manipal University
- Six Sigma Green Belt Certified

ORGANIZATIONS:

- Rutgers University Cricket Club
- Next Generation Leaders – Merck

DESIRED ROLES in the next 2 -3 years:

- Project Engineer
- Project Manager

STRENGTH COMPETENCIES:

- Process Optimization – Reduced process VOC emission by 28% without any capital costs saving ~ \$1.5 million.
- Communication – played role of buffer between union employees and salaried employees & introduce process improvements to reduce safety risks.

DEVELOPMENT ACTIONS:

- Build skills to make myself indispensable to a company – learn and enjoy the process simultaneously.

REENGINEER