SCARLETT MESTOS

GRADUATE RESEARCHER

SKILLS

MATLAB, Python, Aspen, Minitab, Catalysis, Research Analysis, Data Analytics, Deep Learning, Machine Learning, Process Optimization, Research Scientist, Chemical Engineering, Compound Synthesis.

PROJECTS

Understanding Chemical composition of complex compounds using machine learning and organic molecular telemetry.

PROFILE

As a research assistant I always try to define new boundaries and work in a meticulous way to figure out solutions. I have used Machine Learning as a base for our product design to synthesis chemical architectures and their reaction, right now I would like to be involved more on the application development side and was looking for an opportunity that did such.

EXPERIENCE

SK JADODIA LABS
CHEMICAL SYNTHESIS RESEARCH ASISTANT, JAN 2019 - ONGOING
Developed a Machine learning prediction model to optimize steam consumption in MSFE.
Using Clustering determined paint molecules that affected breathing issues in children.
Using Algorithmic synthesis decided which compounds should be added to an industrial solution to result in a required reaction without producing toxic waste.

EDUCATION

B.TECH CHECMICAL ENGINEERING KSV UNIVERSITY KOCHI, 2017
M.TECH CHEMICAL SYNTHESIS KSV UNIVERSITY KOCHI, 2019

ACTIVITIES AND AWARDS

MATLAB PROFESSIONAL CERTIFICATE
MACHINE LEARNING DATA SCIENCE USING PYTHON CERTIFICATE