

Sania Parvani

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EDUCATION

Rutgers University, School of Engineering

New Brunswick, NJ

B.S. in Chemical Engineering

September 2019 – May 2023

- Cumulative GPA: 3.76/4.00 | Dean's List- Present

PROFESSIONAL EXPERIENCE

Rutgers University, Particulate Systems Lab

New Brunswick, NJ

Undergraduate Research Assistant

January 2021-Present

- Researching under Dr. Rohit Ramachandran in order to identify correlations between power, torque, and process material design parameters under wet granulation.

AIV Solutions

Mt. Laurel, NJ

Winter Automation Engineering Intern

January 2020

- Shadowed lead automation engineer and assisted tasks including performing quality checks for phases and recipes on DeltaV
- Supported IT, specifically building sandboxes on PC -- colleagues used sandboxes in order to complete project with Sanofi

Rutgers University, Department of Chemistry

New Brunswick, NJ

General Chemistry Teaching Intern

August 2020–December 2020

- Creates effective lesson plans to teach students General Chemistry material with a team of TIs and professors
- Holds weekly study groups to help students overcome challenging questions and grasp conceptual ideas

University of Pennsylvania Center of MRI & Optical Imaging

Philadelphia, PA

Research Intern

June 2018 – August 2018

- Supported Abigail Cember with research pertaining to how glycogen depletion impacts body performance during exercise
- Conducted independent study relating to glycogen's chemical composition and biological properties
- Uploaded MRI images and analyzed them via MATLAB

LEADERSHIP & INVOLVEMENT

Engineers Without Borders, Rutgers University

New Brunswick, NJ

Financial Subcommittee Lead

September 2019 – Present

- Contributes to the financial side of building a sustainable well in Tanzania
- Researching for grants and organizing fundraising events for the supplies

Lockheed Martin Minorities in Engineering Program

Mt Laurel, NJ

General Member

January 2017– March 2017

- Worked collaboratively in a team to build a motor vehicle robot to operate on a test track
- Assisted with coding of the robot's functions (Java) for it to run efficiently on the track and bypass all obstacles

Society of Women in Engineers, Rutgers University

New Brunswick, NJ

General Member

January 2020 – Present

- Engage in weekly corporate, community service, and networking events
- Connect with SWE alumni from numerous companies around the United States

SKILLS

- Proficient in Photoshop and Adobe Illustrator
- Working skills in MATLAB and Microsoft Office
- Lab Skills: buffers, chromatography (FCPC and HPLC), titration, mass spectrometry, distillation, filtration, chemical calculations