

Ishani H. Davé

Morris Plains, New Jersey | 973-975-9879 | ihd7@scarletmail.rutgers.edu

EDUCATION

- Rutgers University, pursuing a Chemical Engineering Bachelor's Degree, expected May 2024. Deans List, 3.8 GPA

EXPERIENCE

Pfizer – Manufacturing Intelligence Intern (Summer 2023)

- Worked with TIBCO Statistica to enhance and build workspaces that organize data coming from Pfizer manufacturing sites globally and to perform calculations on aggregated data, using TIBCO Spotfire in conjunction to create dashboards that visualize collected data.
- Created a promotional video for the Manufacturing Intelligence team at Pfizer broadcasting the role and significant projects of the team. Also networked across different company departments, learned more about pharmaceutical engineering manufacturing practices, and visited several Pfizer sites.

Elementis Global – Personal Care Intern, Technology Research & Product Formulation (Summer 2022)

- In charge of a carbohydrate technology research project intended for product development. Conducted market research and competitive analysis by identifying market white spaces and commoditized areas across various industries; ultimately compiled and presented data to make several recommendations for new product launches. Increased familiarity with skills such as reviewing patents, as well as using online resources such as Mintel and different global ingredient safety & regulatory databases.
- Formulated a variety of personal care formulas, including color cosmetics like lip gloss, antiperspirants, sunscreens, lotions, and skin care products. Bulk batched and packaged cleansing balm samples for company's distributors and customers. Also measured gel viscosity and syneresis over time for product stability program.

Wall Street Bootcamp Lead Extern, Sustainable Energy Analysis (Summer 2022)

- Organized a team of 20 undergraduate & graduate students from Rutgers University and Westminster College to present an hour-long energy research analysis for industry experts and leaders, including CEOs
- Awarded best team leader and best presentation in the Rutgers MBS Externship Program of over 150 students
- Led regular internal team meetings and gave weekly presentations on topics like energy transition and the effect of current events, such as the Russia-Ukraine conflict, on the usage of fossil fuels and development of renewable energies; worked under MBS program mentors and Mr. Ben Nelson of Moody's Investor Service

Colgate-Palmolive Research & Development Intern, Flavor Formulation & Application (January 2022 – May 2022)

- Responsible for compounding flavors for oral care products in the laboratory, as well as tracking and recording data for flavor requests across multiple company campuses.
- Applied experimental and in-production flavors to multiple mouthwash and toothpaste bases to be used by senior scientists. Formulations were used in consumer tests, pilot plant manufacturing, trend analysis, and research projects occurring at multiple Colgate locations globally.

Bertuccio Fermentation & Microbial Growth Research Group (October 2021- April 2023)

- Investigated yeast growth under different media conditions using a programmed Arduino with a CO₂ sensor and comparing measurements with spectrophotometry readings.
- Presented weekly findings, studied research articles, and brainstormed new experiments with group members for future experiments to potentially be included in the Chemical Engineering curriculum. Also placed 2nd for research poster presentation in Rutgers Chemical Engineering Research Symposium.

LEADERSHIP

- **PRESIDENT – Chemical Engineering Honors Society, Omega Chi Epsilon.** Also served as 2022-2023 Secretary.
- **TEAM LEAD– Project Kenya, Engineers Without Borders.** Leading a project in Kolunje, Kenya to construct a water distribution system to supply the local community, including schools and the county hospital. Travelled to Kenya in March 2023 to meet with community stakeholders and assess the situation; overseeing the implementation trip in early 2024.
- **Chemical Engineering Advocate–** Student representative responsible for leading presentations and organizing events throughout the semester to increase recruitment into the Rutgers School of Engineering Chemical Engineering department.
- **CAPTAIN–** Led 16 teammates through 4 seasons of competitive Color and Winter Guard; won leadership & performance awards as well as the distinguished VIP award of the Parsippany Hills Marching Band for talent & hard work (2017-2019)

SKILLS

-Google, Microsoft, & TIBCO Platforms
-Project Management
-Market Research

-Coding in C and MATLAB
-Data Analysis
-Problem Solving & Critical Thinking

-Public Speaking
-Time Management
-Engineering Fundamentals