

PURVA RAJENDRA KHULE
3636 Coleman Rd, East Lansing, MI 48823.
khulepur@msu.edu
+1 (720) 731-9943

EDUCATION

Master's in Packaging Science - 3.8 GPA till date -Michigan State University School of Packaging

Bachelor of Engineering in Printing and Packaging Technology, 2017-2021- Final CGPI – 8.59/10

- **Rank One in Sophomore year in Engineering (Printing and Packaging Technology Department), Mumbai University.**
- **Subject topper in 'Plastic in Packaging' and 'Color Management'.**

Relevant courses: Advanced Food and Pharmaceutical Packaging, Product Distribution and Dynamics, Industrial Packaging, Flexography, Finance management. Masters- Permeability and shelf-life studies, Plastic based packaging, etc.
St. Augustine High School, secondary school, Till 2015-Percentage: 89%

EXPERIENCE:

Research Assistant- Dr. Almemar's Research Group

Working on the development of coatings to improve barrier properties of paper pulp-based packaging material. Testing for barrier properties (water vapor, oxygen) and thermal properties is being carried out.

Teaching Assistant (PKG 432-Packaging Processes and PKG 315- Packaging decision systems)- Conducting lab sessions, grading, and helping students with their doubts and queries.

R&D Intern at SAVAI PRINTERS (Safe Food Packs Pvt. Ltd in collaboration):

Involved in the development of new package structures, making mockups of carton designs, for clients from Food and Pharma industries. Also, worked under the Business Development team for marketing of the products; communicated, and coordinated with clients to understand their requirements.

PROJECT- Design and development of takeaway boxes with Water-based hydrophobic coatings.

- Analysis of coatings to replace plastic containers in the takeaway packaging sector when used with paper-based packaging materials. The project **Water-Based Hydrophobic coatings**, its need in the market, its advantages in achieving a plastic-free sustainable solution, and its performance. It involved benchmarking of a hydrophobic coating present in the market and a few tests like water absorptiveness, and contact angle tests were performed.

MINI PROJECT- Overview of recycling methodologies of plastic in circular economy in the Indian market.

- Studied Recycling technologies and methods implemented in India as well as those used worldwide.
- Studied the complete process, its effects in the industry and, reviewed the initiatives taken up by the government and private sector to improve waste management and increase the recycling of plastic.

INTERNSHALA Student Ambassador at SIES GST:

- Three months of social media Marketing internship wherein conducted various seminars and talk sessions for students and encouraged them to undertake various online courses.

SKILLS AND ACTIVITIES:

Software exposure: Basics of Adobe Illustrator, CorelDraw, 3D Modeling software (Solid WORKS, ArtiosCAD) basics of Color management software (Xrite's I1 Profiler).

Key skills: Strong concepts of Packaging, Flexibility, Perseverance, Self-learning, Creativity, and Enthusiastic.

Activities:

- **Vice-president (Outreach) of Packaging Graduate Association:** involved in communications, marketing, media, sponsorships managing events and programs for undergrad, masters, and PhD students.
- **Hospitality Head in National Symposium and Event Head of P-Pack:** Coordinated with and attended speakers, guests, industry experts, and attendees, managed administration, and overall event. Also conducted inter-collegiate events and volunteered events.
- **Content Editor of 'ADVITEEYA' departmental magazine of SIES GST:** Worked as editor to interview Industry persons, managed, and edited articles and other content, and contributed to collecting content and structuring the magazine.

Certificate Courses:

- EDX (TU DELFT): Sustainable Packaging in Circular Economy.
- COURSERA: Introduction to Personal Branding.
- ALISON: Thermal processing of food: Packaging and Regulations.
- ALISON: Introduction to Supply Chain Management.
- ALISON: Six Sigma in Supply Chain Management.