

Shashank Neralla

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Education

MICHIGAN STATE UNIVERSITY

MS, Packaging. GPA: 3.65 / 4.0

Dec 2023.

East Lansing, MI.

Awards: Luke Faulstick Endowment Award winner for 2022, Graduate Office Fellowship Award of \$2200 and Scholarship of \$16,000 in 2022 & \$12,000 in 2023.

Thesis: The Quality and Arduousness of Content present in the Drug Facts Label while shopping OTC Drugs online using a comparative statistical processing model under Dr. Laura Bix.

Relevant Coursework: Medical Packaging, Polymeric Packaging Materials, Statistics for Biologists, Permeability and Shelf life of Materials, Distribution Dynamics in Packaging, Supply Chain Management, Survey Research & Design.

COLLEGE OF ENGINEERING GUINDY, ANNA UNIVERSITY.

July 2018.

Chennai, India.

Bachelor of Engineering in Printing & Packaging Technology, GPA: 3.0 / 4.0

Research: Using Disruptive Technologies like AR & VR in Packaging.

STUDY ABROAD – SWANSEA UNIVERSITY, BAY CAMPUS

Study abroad coursework in Medical Printed Electronics

June 2018.

Swansea, United Kingdom.

Experience

BAYER

CONSUMER HEALTH

June 2022 – Dec 2022.

Whippany, NJ.

Global Innovation Packaging Engineer Co-op:

- Orchestrated and actively participated in solid oral dosage packaging development projects for Allergy & Pain Medication in Bayer's Portfolio that were strategically poised for global market expansion.
- Utilized robust statistical modeling and predictive modeling techniques to conduct a thorough assessment of components and materials, guaranteeing the implementation of superior packaging solutions aligned with product requirements and sustainability imperatives using software like ASAP Prime for forecasting the long-term storage shelf-life based on short-term data by using edge-of-failure timings (AKA isoconversion times) at a variety of situations.
- Nurtured synergistic cross-functional partnerships to foster innovation, leveraging predictive modeling insights to introduce novel eco-friendly materials, driving sustainable packaging designs, and exemplifying a commitment to environmental consciousness by using digital tools for Life Cycle Assessment like SimaPro, EcoImpact Compass.
- Assisted in developing reports and packaging-related parts within regulatory submissions, particularly the Technical Documentation required for product registration in New Drug Application and Monograph requirements.
- Optimized package design for Secondary Packaging and Primary Packaging development processes by using technical experience and scientific understanding with respect to the dosage forms and sizes.
- Utilized the scientific method and appropriate experimental designs to efficiently handle complex packaging difficulties while encouraging seamless communication in a team-oriented cross functional context.

ITC Limited, SBU-Packaging and Printing Business.

July 2018 – June 2021.

Chennai, India.

Product Development Key Account Manager

- Played a vital part in the design and construction of cutting-edge packing tools and equipment, with the goal of increasing industrial productivity and product quality using Lean Management, Kaizen & 5S techniques.

- Coordination and execution of detailed testing and qualification procedures for packaging systems, assuring compliance with stringent quality standards and regulatory requirements like ISO and BRC certification standards.
- Got trained and certified to use the Sample Making Equipment like Kongsberg for line trials and first bulk run and coordinated with Pharmaceutical and CPG brands in India.

Leadership & Activities

Graduate Teaching Assistant PKG 485, PKG 411

Jan 2023 – current
East Lansing, MI.

- As part of the PKG 411 - Package Design Laboratory course, I tutored students in package design applications such as Artios CAD by ESKO, Adobe Illustrator, SolidWorks, Esko Studio Designer, and Studio Visualizer.
- As a TA for PKG 485 - Package Development Capstone Course, I worked with the teacher to oversee 60 students and aid them with package design projects that required the use of equipment such as the Esko Kongsberg sample maker, 3D printers, and thermoforms for prototype fabrication.

Graduate Research Assistant Asst Lab Manager

Jan 2022 – May 2022
East Lansing, MI.

- Ensured the smooth operation of the School of Packaging's 16 laboratories, handling equipment repair, calibration, and new machine installation.
- Facilitated lab housekeeping, managed chemical waste disposal, conducted contract testing for industry clients, and contributed to special projects through CAD drawing and prototype creation.

Packaging Graduates Association Member, Board of Directors

Sep 2021 – current
East Lansing, MI.

- Attend Monthly meetings with the Head of Graduate Committee Dr. Rafael Auras and to discuss and implement the action Items which have been decided mutually between the Graduate Students and the School Management.
- Assist the President and the other committee members in organizing PGA events with financial planning, sponsorship etc.

International Students Association Creative Director

Sep 2021 – May 2022
East Lansing, MI.

- Handle the Social Media platform like Instagram, LinkedIn for ISA and make content using Posters and Creative banners for social events hosted by Office of International Students & Scholars of Michigan State University.

Centre for Entrepreneurship Development, Anna University Co-Founder, Enantra

July 2016 – June 2017
Chennai, India.

- Co-founded the Entrepreneurship Fest of Anna University and directly handled 7 executive cores and indirectly handled 50 student and overlooked the events such as 6 Degree Talks, Startup Pitch-fest, etc.

Skills & Interests

Technical: Problem solving, Project Management, Quality Control, Analytical Testing, Statistical & Predictive modeling

Language: English (Fluent), Tamil (Native), Telugu (Advanced), Hindi (Fluent), Deutsch – German (Beginner)

Laboratory: ESKO Kongsberg, Artios CAD, Studio Designer, Visualizer, Adobe Photoshop, Illustrator, CorelDraw, SolidWorks, CAPE, Word Processing, Computational modeling using Spreadsheet.

Interests: Travel Hacking, Photography, Listening to Self-Help & Continuous improvement podcasts, Yoga, Sports (Manchester United).

References: Dr. Laura Bix (bixlaura@msu.edu) , David Baroody (david.baroody@bayer.com) , Vipinendran Kannan (vipin@annauniv.edu), Rajesh Voruganti (rajesh.voruganti@itc.in)