



Sumukh Prakash Kane

Product Requirement Specialist at IKEA of Sweden

Älmhult, Sweden

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Languages

English (Native)

Hindi (Native)

Marathi (Native)

Swedish (Basic)

About

Chemical Engineer with extensive research experience in oil hydrogenation, lithium-Ion batteries, regulatory chemical compliance, and quality assurance. Possess excellent interpersonal skills by building strong alliances, motivating teams, and driving projects to completion. Ability to work in a fast-paced environment using cutting-edge technologies. A resourceful team player working with integrity and professionalism to inspire cooperation and exceed project expectations.

BRANDS WORKED WITH

- IKEA
- Hasbro
- Infinity Technologies Group
- University of Southern California
- USC Viterbi School of Engineering
- Shreeji Engineering and Consultants
- Datta Meghe College of Engineering CIDCO Sector III Airoli Navi Mumbai 400 708
- Jyoti Plastic Works Pvt. Ltd.

Experience



● Product Requirement Specialist

IKEA | Jun 2022 -

- Responsible to monitor, identify and document existing and future international and supranational requirements.
- Initiate identification of requirements for new product types, functions, and materials.
- Work together with relevant stakeholders to develop and establish IKEA base and market specific requirements and verification methods.
- Notify relevant stakeholders on new or updated requirements in a timely manner.
- Responsible to influence relevant to the IKEA range, new and existing legislations, regulations and standards.
- Responsible to develop and maintain a network of stakeholders in external alliances and standardization organizations.
- Advisory in both implementation and follow-up compliance of product requirements.
- Advisory in non-compliance cases when requirement specialist competence is needed.
- Contribute to the development of requirements and verification methods based on customer needs and expectations.



● QA Engineer/ Chemical Lead India Sourcing

Hasbro | Nov 2019 - May 2022

- Lead the management of chemically high-risk materials by providing the overall procurement guidance and leadership to develop supply chain and drive growth in India.
- Responsible for the sustainability, qualification, audits, performance measurement, and improvement of all Indian vendors, suppliers, and third-party testing labs.
- Worked with third-party labs for alignment on test methods and service requirements while analyzing Hasbro's Test Data Management System (TDMS).
- Provided support in tracking changes in the regulatory landscape, generation of subsequent internal policy documents, and the assessment of materials to ensure compliance with various global and state reporting requirements.
- Managed Hasbro's chemical database, evaluation of new formulations and sustainable materials, and complying with ISO, ASTM, RoHS, REACH, TRA, CSA, CMR, and similar standards.
- Lead the chemical failure case investigations and ensured implementation of effective corrective action plans and good manufacturing practices at all factories.



● Chemical Project Engineer

Infinity Technologies Group | Dec 2017 - Jul 2019

- Managed large-scale capital projects for the Process Industry and Energy sector through the initiation, planning, execution, and termination stages by liaising with various internal and external stakeholders.
- Responsible for preparation and review of engineering project deliverables including business case development, evaluation and selection of technical alternatives, equipment sizing, and specification documentation, datasheets, Test plans, P&ID, Project Budget, Cost and Scheduling estimates, procurement including Expediting & Logistics Planning and Execution, Construction & Commissioning Planning & Execution, Contract Lifecycle Management, etc.
- Verified and complied with engineering documentation standards and test procedures.

● Library Student Supervisor

University of Southern California | Jun 2016 - May 2017

1. Implement orientation, training, and evaluation procedures for 70-75 student officers. Coordinate with administration and management as to how to best provide security and customer service.
2. Performing safety, security, and customer functions within libraries such as access monitoring, data collection and analysis, guidance for students and customers, ID Check, Patrol, and Event Management.
3. Responsible for scheduling, performance tracking, and training of student officers.

● Research And Development Assistant

USC Viterbi School of Engineering | May 2016 - Nov 2017

- Assembled, calibrated, tested, and maintained digital automation lab systems and some essential lab testing equipment like oscillators, ammeters, and multimeters while adhering to good laboratory practice (cGLP).
- Was part of the USC electrochemical engineering team working on the design, construction, optimization of electrode architecture, testing, coating, and failure analysis for pouch type Lithium-Ion batteries.
- Performed root cause analysis (RCA) and was involved in troubleshooting any issues associated with the equipment.
- Managed Inventory contributed towards forecasting and ordering of lab equipment, created and updated the schematic drawings, standard operating procedures (SOP), and write-ups for the laboratory experiments.
- Created the necessary lab solutions, reagents, and samples while carrying out analytical testing like UV, FTIR, MS, viscometer, pH, unit operations, membrane filtration, extraction, chromatography, and experimentation.

● Library Student Officer

University of Southern California | Sep 2015 - May 2016

- Access Monitoring and Providing Navigational assistance to patrons in USC libraries serving more than 1.5 million patrons every year.
- Assisting patrons in printing/scanning documents, check-in/check-out of books, journals, laptops, electronic accessories, etc. and conducting foot patrolling to ensure security to library property, patrons, and their belongings.
- Analyzing patrons' requests to determine needed information and assist in collecting and furnishing that information.

● Process Engineering Intern

Shreeji Engineering and Consultants | Jul 2014 - Jun 2015

- Lead the team that designed a hybrid impeller for Oil Hydrogenation using HYSYS and 3D CAD modeling softwares.
- Designed and carried out metal fabrication of a Batch Hydrogenation reactor of 20 KL working capacity by following FDA guidelines and Industrial designing codes and standards and carried out safety drills, simulation tests, and Industrial Testing (OSHA, LOPA, and HAZOP) to ensure product integrity.
- Developed the complete functional and design specifications and test plans for the impeller, agitator, and the Hydrogenation assembly while adhering to DFx guidelines.
- Improved the process efficiency by 30% and was able to reduce batch

time, leading to a profit generation of \$350,000.

- Carried out the mass balance, energy balance, thermal and structural analysis for the reactor and the process.
- Also, I carried out the costing, economic, and market study for the process and the product.

● Core Committee Head

Datta Meghe College of Engineering CIDCO Sector III Airoli Navi Mumbai
400 708 | Jul 2013 - Jun 2015

I was elected the core committee head for the Students Organization of Chemical Engineers (SOCHE) during my undergrad. As the Core Committee Head, I was responsible for communicating with the university authorities, industry representatives, alumni, sponsors, and other student bodies. I was also responsible for event planning and recruitment activities and was accountable for the security and success of mega-events like Technitude and Milestone.

In addition to that, I was also responsible for managing social media outlets for the Engineering department, assisting juniors and other fellow students, counseling new incoming students about campus resources, and coordinating with other student bodies and the university management.

● Engineering Trainee

Jyoti Plastic Works Pvt. Ltd. | Jun 2013 - Aug 2013

- Researched and studied about injection molding technology for polypropylene production and processing.
- Designed and developed plastic parts for the food storage industry using Thermoforming.
- Ensured process completion compliance with company quality policy and procedures.

Education & Training

2015 - 2017 ● **University of Southern California**
Master's Degree,

2011 - 2015 ● **University of Mumbai**
Bachelor's Degree,