

Soni Kumari

BE (Chemical Engineer)

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Suvarna prava Apartment 1st floor flat no:D 18/1/1 Dakshinpara road, Shyamnagar road Kolkata- 700028

Experienced Chemical Engineer with demonstrated working history in Research and Development Industry with a superb customer satisfaction record. Proficient in Strategy planning and adept at interdepartmental coordination to maximize industry functionality and efficiency, also good command on Quality check to assure meeting the key performance indicators.

Professional Skills

- Research & Development of Flat sheet MF/UF/RO Membranes for new application, MF Hollow fine fiber production
- Testing of MWCO for different HF& flat sheet products, RO Membrane Flux & Rejection
- Product Research, Innovation and Enhancement
- Professional Supervisor of RO Production.
- Increase flow rate of UF hollow fiber membrane by using Sodium Hypochlorite.
- Process Simulation by Hysys, ASPEN B-JAC also having hands on experience on tools such as AUTO CAD and Distillation column
- Proficient with Documentation using MS Office tools such as Excel, Word and PowerPoint

Experience

❖ R & D Engineer with Uniqflux Membranes LLP, Pune. (June 2013 to Oct 2014)

- Increase flow rate of UF Membrane due the pore size of membrane increase
- Participate in planning and strategy meeting along with research head center CSIR, Bhavnagar
- RO membrane flat sheet production start with good Performance
- Team Lead
- Quality check

Education

- Bachelor degree in Chemical Engineering from Maharashtra Academy of engineering, Pune aggregate of 60% in the yr. 2013.
- Class 12th (Science stream with Computer science) from Banasthali Vidyapith, Rajasthan with 61% in the year 2006.
- Class 10th from Banasthali Vidyapith, Rajasthan with 78.8% in the year 2004.

Industrial Training and Certification

1. Course Title: 1 year training in process simulation and design

Simulated and designed the 84 MMSCFD glycol Dehydration plant in Chemsys

Key Learning

- Mass Balance and energy balance, line sizing and pressure drop calculation, psv and control valve sizing, NPSH calculation
- Process analysis, simulation and modeling by Hysys
- PFD and P&Id preparation, equipment data sheet and equipment list preparation
- Oil and gas upstream equipment's design (vertical and horizontal separator).
- Exposure to codes and standards (ASME/API).

2. Course Title: Rashtriya chemicals and fertilizer limited, Chembur, Mumbai

Key Learning: Fluid flow, Unit Operation and Unit Process

3. Course Title: production of Ethylene Glycol in (SCE) Saneesa Chemical and Equipment Pvt ltd, Pune

PERSONAL DETAILS

- **Date of Birth:** 3rd June 1989|
- **Languages known:** English, Hindi
- **Hobbies:** cooking, travelling, swimming, dancing, basketball, horse riding, rifle shooting, you tubers,

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