

# Amaresh Kumar

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❖ SUMMARY

To step forward continuously in life and develop a career as professional engineer that leads to further growth of professional skills and organization.

❖ SKILLS

• <b>TECHNICAL SKILLS:-</b>	
• Heat Transfer	• Mass Transfer
• <b>INTERPERSONAL SKILLS:-</b>	
• Quick learner	• Good listener
• Ability to work in team environment and follow instructions.	• Flexible to relocation
• Flexible to relocation	• Good behavior
• <b>SOFTWARE SKILLS: -</b>	
• ASPEN HYSYS	• ASPEN PLUS
• AVEVA PRO/II	• MS Office
• AUTOCAD	

❖ PROFESSIONAL EXPERIENCE (5.8 years overall)

1. Process engineer, **Jubilant Ingrevia Limited**, through Procon India Pvt. Ltd, June 2022-Current, Greater Noida, U.P.
  - Involved in new project of DD-2 unit (production of chloroesters) & DAME unit (Dimethyl acrylate) for Jubilant ingrevia ltd. Gajraula location.
  - Preparation of mass balance.
  - Coordination with project & plant team for execution on site.
  - Preparation/review of block diagram, PFD, P&ID and equipment layout.
  - Conversion of block diagram/PFD to P&IDs.
  - Preparation of piping BOQ (bill of quantity) & costing.
  - Preparation of line list, equipment list, pump list & control valve list etc.
  - Modification P&IDs as per requirements.
  - Performing engineering calculations.
2. Process Engineer, **Bharat Oman Refineries Limited**, through Bonace Engineers, July 2018-June 2022, Bina, M.P.
  - Daily performance monitoring of Hydrogen generation unit & KHDS (Kerosene Hydrodesulphurization) unit.
  - Preparation daily/monthly performance report of plant thru Exa-quantum software or Excel.
  - Involved in new project of KHDS (Kerosene Hydrodesulphurization) unit
  - Inspection of equipment's internally (like columns, reactors, HEs & vessels) with their General arrangement drawings (GADs).
  - Review of block diagram, PFD, P&ID and layout.
  - Preparation/review conversion of block diagram/PFD to P&ID.

- Review of process & utility P&IDs.
- Review of process datasheet for vessel, heat exchanger, pump, tank & instruments.
- Review of line list and equipment list.
- Review of vendor documents, drawings, datasheet, specifications & calculations.
- Velocity calculation of tube side fluid of cooling water exchangers actual vs design of all process units for analyzation their performance.
- Involved in troubleshooting in plant.
- Follow standard operating procedure (SOP) for doing any activities.
- Performed engineering calculations like:-
  - Line size calculations.
  - Pressure drop calculations.
  - Utility load calculations.

### 3.Process Engineer, **LUPIN ltd.**, Oct 2017-July 2018, Mandideep, M.P.

- Performed engineering calculations like:-
  - Line size calculations.
  - Pressure drop calculations.
  - Utility load calculations.
- Preparation of PFD, P&ID and layout for project execution.
- Process time cycle monitoring.
- Conduct all task/activities as per applicable SOP's & department procedures.
- Assist in lab experimentation and monitoring activities for process development and troubleshooting.
- Maintain proper records of all activities.

### ❖ **EDUCATIONAL QUALIFICATION**

- BE  
Chemical Engg., Lakshmi Narain College of Technology (LNCT), Bhopal, 2016 [RGPV]  
Percentage: 56.9
- HSC (I.Sc)  
Al-Hafeez college, Ara, Bihar, 2012 [BSEB]  
Percentage: 70.8
- SSC (10<sup>th</sup>)  
Indian public school, Hajipur, Bihar, 2009 [CBSE]  
Percentage: 70.4

### ❖ **INTERNSHIP**

- Organization: - Indian Oil Corporation Limited (Barauni Refinery)  
Add: - P.O-Barauni Oil Refinery, Begusarai, Bihar, INDIA.  
Duration: - 02<sup>nd</sup> July 2015 to 31<sup>st</sup> July 2015  
Description: - Worked as trainee and learnt about the production of production of petroleum fractions.

### ❖ **ACCOMPLISHMENTS**

- Major project: - Preparation of commercial carbon component from solid plastic waste.
- Minor project: - Manufacturing of alcohol by molasses.
- Attended a workshop on ADVANCE IN EXPLOSIVE AND PROPELLANTS in association with DRDO and Solar Industries India ltd. organized by VNIT Nagpur in April-2015.

❖ **LANGUAGE KNOWN**

- English and Hindi.

❖ **HOBBIES**

- Travelling new places.
- Playing chess.
- Watching movies.

❖ **PERSONAL DETAILS**

- Father's Name:- Mr. Subhendra Prasad
- Mother's Name:- Mrs. Meera Devi
- D.O.B:- 06<sup>th</sup> Sept. 1993
- Gender:- Male

**AMARESH KUMAR**