

AANCHAL DODWAD

MASTER OF ENGINEERING IN CHEMICAL ENGINEERING
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CAREER OBJECTIVE

Service oriented chemical engineering graduate looking for a role within a progressive company where solid educational achievement and talent can be maximized for the success of the company, whilst offering professional growth and innovation.

SKILLS

- Operated a pilot plant in accordance to product brief and safety regulations.
- Experience in setting up bench scale and lab scale experiments, where results were thoroughly analyzed and presented.
- Experience in developing programming language (python) to represent the engineering and biological phenomena.
- Industrial Experience – Personal care industry with experience with working with OTC and Non-OTC products.
- Experience with engineering software, server software and project management software– Matlab, Aspen HYSYS, ChemCad, Excel, Word, Visio, GAMS, SAP and RDS.
- Training in GMP, GDP, Good manual handling and Quality Control

PROFESSIONAL EXPERIENCE

WHITMAN LABORATORIES, ESTÉE LAUDER COMPANIES **Petersfield, United Kingdom**
Compliance Coordinator *01 July 2019 – 04 October 2019*

- Ensured all quality management systems within the site were met in terms of Deviations, Procedure Change, Equipment Change, Bulk Reject Investigations and Equipment Calibration.
- Managed and completed these quality management systems in a timely fashion in accordance to company procedures and processes.
- Completed right first-time analysis alongside other data capturing analysis to problem solve manufacturing issues.
- Managed and proactively implemented corrective preventive actions and continuous improvement schemes across various departments in the company.

WHITMAN LABORATORIES, ESTÉE LAUDER COMPANIES **Petersfield, United Kingdom**
Compounding Intern *03 July 2017– 27 July 2018*

- Successfully launched and operated a continuous improvement tool designed to identify and solve manufacturing issues.
- Conducted bulk reject investigations and implemented short term and long-term corrective preventative actions whilst complying with company quality procedures and safety regulations.
- Planned and executed the implementation of NPI (New Product Introduction) and new equipment
- Reviewed existing and new product quality specifications against quality assurance data.
- Conducted experiments and proposed a novel equipment to improve assembly processing rate and flow.
- Completed work time studies and proposed system alterations to improve efficiency and production rate.
- Supported the business during the plants corporate audit by reviewing on-site and global procedures

SYNGENE INTERNATIONAL

Bangalore, India

Intern

20 July 2016 – 19 August 2016

- Conducted RTD studies to develop processing flow techniques for the synthesis of API (Active Pharmaceuticals ingredients) and fine chemical on a combination of various lab scale reactors and packing materials.
- Operated mixing studies for nitration reactions in batch and continuous flow reactors, comparing, purity profiles, impurity profiles and conversions.
- Familiar with process monitoring equipment such as HPLC (High Performance Liquid Chromatography) and GC (Gas Chromatography).
- Involved in R&D activities and other troubleshooting tasks around the lab.

EDUCATION

UNIVERSITY OF SURREY

Guildford, United Kingdom

BEng and MEng Chemical Engineering (Upper Second Class)

September 2014 – July 2019

Modules:

- Level 1 Fluid Mechanics & Thermodynamics, Engineering Materials & Sustainability, Scientific Fundamentals, Mass & Energy Balances, Introduction to Engineering Systems and Dynamics Transferable Skills & Laboratory Skills, Mathematics 1 and Mathematics 2.
- Level 2 Engineering Management and Corporate Sustainability, Heat Transfer and Applied Thermodynamics, Separation Processes 1 and HYSYS, Transfer Processes, Chemical Reaction Engineering and Numerical Methods, Chemical Thermodynamics and Laboratory, Control and Industrial Chemistry.
- Level 3 Advanced Chemical and Biological Reaction Engineering, Separation Processes 2, Energy and Industrial Systems, Advanced Mass Transfer, Process Operation and Management, Design Project Meng Chemical Engineering.
- Level 4 Professional Training Year – Whitman Laboratories, Estee Lauder Companies (2017-2018)
- Level 5 Multi-Disciplinary Design Project, Research Project, Optimization and Decision Making, Chemical Engineering, Research Project and Supply Chain Management.

GARDEN INTERNATIONAL SCHOOL

Kuala Lumpur, Malaysia

A Levels Mathematics (A), Chemistry (B) and Physics (B)

2012 – 2014

IGCSE 1 A*, 8A, 1C

2010 – 2012

ACHIEVEMENTS AND EXTRACURRICULAR ACTIVITIES

- International Bronze Award (Duke of Edinburgh): Badminton, Piano and Teaching Refugees
- Competed in 3 national dance competitions and won the 'Audience Choice Award' in 2017.
- Extended Project Qualification – Awarded an A* by Edexcel
- Second prize for the Atkin's Oral Presentation Award on a multi-disciplinary project.
- Level 2 Sports Leadership Award

PERSONAL PROFILE

Languages: English

Date of Birth: 20th Feb 1996

Nationality: Indian

DECLARATION

I solemnly declare that the information provided is correct to the best of my knowledge and belief

Date: 27th August 2019

Signed:

