



Imtiaz Shah

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Chemical Engineering Graduate; hard working; strives to deliver assigned tasks professionally and on schedule; committed, open minded and willing to learn in challenging environment.

Education

- **Bachelor of Chemical Engineering (Honors)**
Monash University – Malaysia Campus
Year: 2022 CGPA: 3.4
- **Cambridge A Levels**
Methodist College, Kuala Lumpur, Malaysia
Year: 2017
- **Cambridge O Levels**
MGIS, Kuala Lumpur, Malaysia
Year: 2016

Work Experience

Malayan Fish Oil Sdn Bhd **(Fish Oil Refinery)**

Process Engineer Chemical – Work Attachment
Dec 2021 – July 2022

Tasks/Achievements

- Process designing & optimization of existing process for the fish oil refining plant.
- Developing of PFD, PnID drawings.
- Design and water integration calculation.
- Liaise with equipment suppliers/manufactures.
- Commissioning of plant.

JJ-Lurgi Engineering

(Intl. design based company specializing in Oil & Fats)

Process Intern

Jan 2020 – Feb 2021

Tasks/Achievements

- I costing data compilation.
- Technical data processing for proposal.
- Assist in equipment selection and sizing.
- Assist in checking engineering drawings.

Methodist College, Kuala Lumpur, Malaysia **(Education Institution/Provider)**

Marketing Intern

Dec 2018 – Feb 2019

Tasks/Achievements

- Liaise/Communication with potential clients/students.
- Data compilation and analysis.
- Customer Service

Projects/Research Work

- Plant and Equipment design for Ethanol plant
- Hydrogen plant simulation
- Bioprocessing of drugs and process simulation Biodiesel Project
- Undergraduate Research
The evaporation and drying pattern of a sessile droplet containing colloid-polymer suspensions under Dr Lee Chern Leing
- Chem E Car Competition
Design and construction of a car fully controlled via Chemical reactions
- Final Year Project (University)

Development of Ultrathin One-Dimensional (1D) Fibrous Red Phosphorene Photocatalyst: An investigation into the Optoelectronic Properties and Charge Carrier Dynamics

DFT simulations and Molecular modelling of Red Phosphorus Catalysts

RSM study on the operating parameters of photocatalytic reduction and kinetic and optimization study

I ChemE Committee Member

Year 2 representative and Event organiser

Other Skills

- Aspen Plus Simulation
- Matlab Programming
- Comsol Simulation
- Autocad 3D Modelling
- VASP Molecular Modelling/DFT simulations
- Sketch up 3D

Languages

- English: Full Professional Proficiency
- Bangla: Elementary Proficiency

Interests

- Full Time work as Chemical Engineer
- Research Based projects/assignments