

CURRICULUM VITAE

Candidate Profile:

Name	AJAY.J
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Academic Course	B.Tech. Petrochemical Technology



Education:

Course	Institution	CGPA
B. TECH	University College of Engineering BIT campus, Anna university Tiruchirappalli	6.7
SSLC	Katherine Matric High School, Chinna Avudaiyar kovil	88.8%
HSC	Laurel Higher secondary school, Aranthangi	86.6%

Internship:

Program	Institution	Period
Overview of Process Engineering Software's & its Simulations (ASPEN HYSYS)	Institute of Cheme Design and Development	02/07/2023 - 17/07/2023
Petroleum Refinery Engineering	Indian Institute of Chemical Engineers	25/05/2024 - 21 /07/2024

Paper presentation at college / university level symposium:

Title	Presented at
AIR MONITORING EQUIPMENTS	University college of engineering (BIT) campus, Anna university, Tiruchirappalli

PROJECT	DESCRIPTION
Separation of CO ₂ from synthesis gas using MDEA absorber in ammonia manufacture at Madras Fertilizers limited , Chennai	Conducted a detailed study on CO ₂ removal from synthesis gas using a Methyl diethanolamine (MDEA) absorber system in the ammonia production process. Analyzed plant data to perform mass and energy balances and evaluated the efficiency of CO ₂ scrubbing operations. The project aimed to optimize process performance and reduce carbon emissions, contributing to improved synthesis gas purity and ammonia yield.

Certifications:

Title of certification
NPTEL - Aspen plus

Subject of interest:

Subject
Heat transfer
Fluid mechanics
Mass transfer

Languages known
Tamil
English

Declaration: I hereby declare that the above-mentioned information is true to the best of my knowledge.

T. Ajay

(AJAY.J)