

MOHAMMAD ABDUL ARIF



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EDUCATION

Year	Degree	Institute	Marks/CGPA
2023	M.Tech	Indian Institute of Technology Kharagpur	9.51/10
2017	B.Tech	University College of Technology Osmania University	8.42/10
2013	Intermediate	Narayana Junior College Hyderabad	97.8%
2011	SSC	Nava Bharath High School	92.83%

WORK EXPERIENCE

NPTEL Teaching Assistant – Chemical Process Instrumentation | IIT Kharagpur

[Jan'23 - Apr'23]

- Responsible for guiding 650+ students through the NPTEL platform's Chemical Process Instrumentation course, answering their questions, and grading their assignments.

Teaching Assistant – CAPE Lab | IIT Kharagpur

[Aug'22 - Apr'23]

- Responsible for guiding students in the Computer-Aided Process Engineering Laboratory's simulation of real-world systems using Aspen-plus and the solution of chemical engineering issues using MATLAB/Python coding.

Test Engineering Analyst | Accenture Solutions Private Limited | Hyderabad

[Jul'17 - Aug'20]

- Experienced in working closely with developers for software development within Agile Environment.
- Responsible for the development of test cases and test scenarios for the new and existing features.
- Performed Functional and Regression testing using both automation and manual testing methods.
- Responsible for the development and maintenance of automation frameworks to increase the efficiency and effectiveness of testing.
- Mentored five junior QA engineers on the Software Development Life Cycle and successfully led them through a major upgrade defect retest.

PROJECTS

Masters Project: Ultrasound-Assisted Continuous Antisolvent Crystallization in CFI

[Jun'22 – Apr'23]

- Investigating the ultrasound-assisted flow inversions on the crystal size distribution and yield of continuous crystallization using antisolvent.

Bachelor's Project: Manufacture of Adipic acid (Capacity: 100 TPA).

[Jun'16 - Apr'17]

- Performed process design and cost estimation to produce 100 TPD of Adipic acid, including material and energy balances on each piece of equipment and design of heat exchanger using Kern's method for cooling the product mixture.

INPLANT TRAINING

Hindustan Fluorocarbons Limited | Patancheru, Hyderabad

[Oct'16]

- Surveyed and gained insights into the process of Teflon Manufacturing.
- Acquired a working knowledge of production equipment operations and other utilities at the plant, such as wastewater management.

SKILLS AND EXPERTISE

Software: MATLAB | Aspen Plus | Ansys Fluent | COMSOL Multiphysics

Data Management Tools: MS Office | Origin | SQL

Programming Languages: C | C++ | Python

Soft skills: Leadership skills, Time management skills

Hobbies: Badminton | Reading books

AWARDS AND ACHIEVEMENTS

- Secured GATE rank of **299, 669, and 725** in 2021, 2017, and 2023 respectively.
- Winner of the Paper and Poster presentation on Carbon Capture and storage from industrial flue gases at Technosmania 2k15.
- Received **MHRD** scholarship for **4** years of undergraduate study for securing **state-level top 1%** in Intermediate examinations.

POSITION OF RESPONSIBILITY

Organizer Technical – Technosmania2k17

- Successfully led a team of 15 members in conducting and organizing the core technical events of Technosmania2k17, a national-level techno-cultural fest.

Technical Committee Member - Technosmania2k16

- Coordinated with a team of 4 members in organizing and coordinating with students and professionals for Guest Lectures, Seminars, Paper, and Poster presentations.

CERTIFICATIONS

- MATLAB Onramp** | Self-paced online training Course | Hosted by MathWorks
- Machine Learning** | Stanford Online | DeepLearning.AI | Hosted by Coursera
- Python for Machine Learning & Data Science Masterclass** | Hosted by Udemy