

CURRICULUM VITE

HARSHKUMAR S. MAKADIA

B.Tech Chemical Engineer.

School of Engineering And Applied Science College,
Ahmedabad University.

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Career Objective

To be the best in my field by grabbing the opportunities that comes along my path and converting them into the assets of the organization as well as to work with sheer determination, dedication and hard work.

Academics details

COURSE	YEAR OF PASSING	PERCENTAGE (%)	BOARD/UNIVERSITY
B.TECH CHEMICAL	2019	65.38	Ahmedabad University
H.S.C	March,2015	83(PCM) 75.33(Overall)	GSHSEB
S.S.C	March,2013	90	GSHSEB

Technical Electives

- Surfactant Science And Nanotechnology
- Catalysis and Catalytic Process
- Petroleum Refining And Petrochemicals
- Renewable Energy Technology
- Process Synthesis and Integration

Non Technical Electives

- Marketing Management
- French
- Environmental Science

Internship

- Indian Farmers Fertilizers Cooperative Limited, **IFFCO** – Kalol Unit. (UREA manufacturing)

Projects

- To design the setup for steam distillation process of mixture of pine oil and water , perform and analyze.
- Improving the performance of Desalter at **IOCL - Gujarat Refinery, Baroda**.
- Synthesis Liquid Soap based on the Surfactant and study of pH, foam stability, foam ability and viscosity.
- Synthesis and Characterization of Al_2O_3 and Ni doped Al_2O_3 .

Other Projects

- To design pump jack working model for oil extraction from the oil reservoir and exhibit in the Project Based Learning Fair of Ahmedabad University at School of Engineering and Applied Science College.

Area of Interest or Technical Skills

- Process Integration in Heat Exchanger Network (HEN) with the help of PINCH TECHNOLOGY
- Mass Transfer Operation
- Heat Transfer Operation
- Surfactant Science
- Catalysis and Catalytic Process

Software Skills

- **Aspen Plus** - Process Equipment Design Software
- **HINT** - Heat Exchanger Network Design Software
- **POLYMATH** - Use for solving Numerical
- **MATLAB** - A programming language by math work
- **Microsoft office**

Final Year Project

- Finding a suitable and cost effective method for detection of Ozone concentration in water. **(Research based project)**

To find a cost effective method compare to present method for detection of dissolved ozone in water using Cr(III) as an indicator, which gets oxidized to Cr(VI) which further can be detected by UV spectroscopy.

Scholastic Achievement

- **1st rank in 100 meter Running in UNDER-17 game at the District level organized by Government of Gujarat in 2012-13.**

Extra-Curricular and Co-Curricular Activities

- Participated in Ahmedabad University **Expo** in GICT building at 14th November 2018.
- Participated in Ahmedabad University **PBL** (project based learning) exhibition in GICT building at 2017.
- Member of **BAL URJA RAXAK DAL** of **Gov. of Gujarat** in **2011**.
- Member of American Institute of Chemical Engineers (**AIChE**).
- Winner in 100 m race with 1st rank in school for 4 consecutive years.

Personal Details

Name	Harshkumar Shaileshkumar Makadia
Date of Birth	20 th February, 1997
Hobbies	Playing cricket, Playing volleyball, Listen songs
Language known	Gujarati, Hindi, English, Basic French
Nationality	Indian
Permanent address	Godhani Street, Near Shahakari Mil, Village : Kolki, Tehsil : Upleta, District : Rajkot, Gujarat, 360470

Declaration

I do hereby declare that the above information is true to the best of my knowledge and I bear the responsibility.

HARSHKUMAR S. MAKADIA